KENWOOD

GPS NAVIGATION SYSTEM

DNX9140

MONITOR WITH DVD RECEIVER

DDX814
DDX8034BT

INSTRUCTION MANUAL

Kenwood Corporation

Take the time to read through this instruction manual.
Familiarity with installation and operation procedures will help you obtain the best performance from your new GPS Navigation System/DVD Receiver.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your Kenwood dealer for information or service on the product.
Model DNX9140/DDX814/DDX8034BT Serial number _____

US Residents Only

Register Online

Register your Kenwood product at
www.Kenwoodusa.com

© B64-4378-00/00 (KW/RW)

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How to read this manual

This manual uses illustrations to explain its operations.

The displays and panels shown in this manual are examples used to provide clear explanations of the operations.
For this reason, they may be different from the actual displays or panels used, or some display patterns may be different.

Selecting a screen item
Select and choose an item on the screen. Select the item by touching the button on the screen.

Short Press
Press the button, denoted by .

Change in the screen
With each operation, the screen changes in the order shown here.

▼ : Continues to the next line.
● : Ends here.

Continue to the next page
The instruction continues to the next page. Make sure to flip the page for the rest of the instruction.

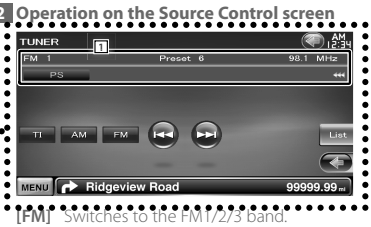
Source Control Screen

Switches to the source control screen to use various functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen>.

2 Operation on the Source Control screen

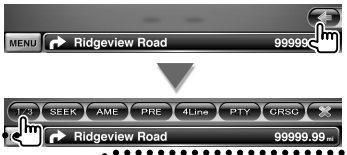


[FM] Switches to the FM1/2/3 band.

[AM] Switches to the AM band.

[|◄◄], [►►|] Tunes in a station.
Use the [SEEK] to change the frequency switching.

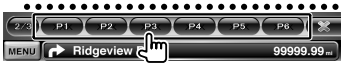
Multi Function



[CRSC] FM Turns the CRSC function On or Off.

[SEEK] Switches the Seek mode.
The mode is switched in the following order each time you touch the button.

Display	Setting
"AUTO1"	Tunes in a station with good reception automatically.
"AUTO2"	Tunes in stations in memory one after another.
"MANU"	Switches to the next frequency manually.



Continue to touch until the memory number appears.

Next page ►

The above operation example with the mark differs from the actual operation.

Function Icon

Icons representing available functions are shown below.

- DVD-VIDEO : Function of DVD-VIDEO playback.
- DVD-VR : Function of DVD-VR playback.
- Video CD : Function of Video CD playback.
- CD : Function of CD (CD-DA) playback.
- Audio File : Function of Audio File playback.
- MPEG : Function of MPEG file playback.
- DivX® : Function of DivX file playback.
- JPEG : Function of JPEG file playback.
- Disc : Function of Disc (DVD, CD) media.
- USB : Function of USB device.
- FM : Function of FM reception.
- SIRIUS : Function of SIRIUS source.
- XM : Function of XM source.

Press 2 seconds or more

Press the button, denoted by 2sec., for 2 seconds or more.
Indicates to press and hold down the button until operation starts or the screen changes.
The left example indicates to press the button for 2 seconds.

Other marks

⚠
Important precautions are described to prevent injuries etc.

Special instructions, supplementary explanations, limitations, and reference pages are described.

General precautions and reference pages are shown on the item.

The initial value of each setup is shown.

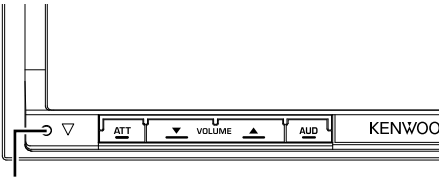
⚠WARNING

To prevent injury or fire, take the following precautions:

- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.
- Do not watch or fix your eyes on the unit's display when you are driving for any extended period.

How to reset your unit

- If the unit or the connected unit fails to operate properly, press the Reset button. The unit returns to factory settings when the Reset button is pressed.
- Remove the USB device before pressing the Reset button. Pressing the Reset button with the USB device installed can damage the data contained in the USB device. For how to remove the USB device, see <How to Set a Medium / a Device> (page 13).
- When the unit is turned on after pressing the Reset button, the Initial SETUP screen is displayed. (page 97)



Reset button

Cleaning the Unit

If the faceplate of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth.
If the faceplate is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe it again with a clean soft dry cloth.

⚠

- Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the faceplate with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erases characters.

Lens Fogging

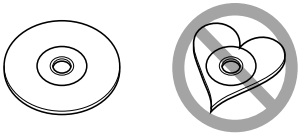
When you turn on the car heater in cold weather, dew or condensation may form on the lens in the disc player of the unit. Called lens fogging, this condensation on the lens may not allow discs to play. In such a situation, remove the disc and wait for the condensation to evaporate. If the unit still does not operate normally after a while, consult your Kenwood dealer.

Handling discs

- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc, or use a disc with tape stuck on it.
- Do not use disc type accessories.
- Clean from the center of the disc and move outward.
- When removing discs from this unit, pull them out horizontally.
- If the disc center hole or outside rim has burrs, use the disc only after removing the burrs with a ballpoint pen etc.

Discs that cannot be used

- Discs that are not round cannot be used.



- Discs with coloring on the recording surface or discs that are dirty cannot be used.
- This unit can only play the CDs with
  This unit may not correctly play discs which do not have the mark.
- You cannot play a disc that has not been finalized. (For the finalization process refer to your writing software, and your recorder instruction manual.)
- If you try to load a 3-inch-disc with its adapter into the unit, the adapter might separate from the disc and damage the unit.

Other notes

- If you experience problems during installation, consult your Kenwood dealer.
- When you purchase optional accessories, check with your Kenwood dealer to make sure that they work with your model and in your area.
- Characters that conform to ISO 8859-1 can be displayed.
- The RDS or RBDS feature won't work where the service is not supported by any broadcasting station.

This product includes a non-replaceable lamp that contains trace amounts of mercury. Please recycle in accordance with your local state regulations. Do not dispose of in trash. For disposal or recycling information, please contact your local authorities.

Notes

List of playable discs

Disc types	Standard	Support	Remark
DVD	DVD Video	○	
	DVD Audio	×	
	DVD-VR	○	Not compatible with CPRM.
	DVD-R	○	MP3/WMA/AAC/WAV/ JPEG/MPEG/DivX Playback Multi-border/Multisession/ (Playback depends on authoring conditions) Compatible with 8-cm (3 inch) discs
	DVD-RW	○	
	DVD+R	○	
	DVD+RW	○	
	DVD-R DL (Dual layer)	○	Only video format
	DVD+R DL (Double layer)	○	
	DVD-RAM	×	
CD	Music CD	○	CD-TEXT/8-cm (3 inch) discs supported.
	CD-ROM	○	MP3/WMA/AAC/WAV/ JPEG/DivX playback. Multisession supported Packet write not supported.
	CD-R	○	
	CD-RW	○	
	DTS-CD	○	
	Video CD (VCD)	○	
	Super video CD	×	
	Photo CD	×	
	CD-EXTRA	△	Only music CD session can be played.
	HDCD	△	Sound quality of normal CD music
	CCCD	×	
Others	Dualdisc	×	
	Super audio CD	△	Only CD layer can be played.

○ : Playback is possible.
△ : Playback is partly possible.
× : Playback is impossible.

- When buying DRM enabled contents, check the Registration Code in the <DivX Setup> (page 67). Registration Code changes each time a file with the displayed Registration Code is played to protect against copying.

Use of "DualDisc"

When playing a "DualDisc" on this unit, the surface of the disc that is not played may be scratched while the disc is inserted or ejected. Since the music CD surface does not conform to the CD standard, playback may be impossible.

(A "DualDisc" is a disc with one surface containing DVD standard signals and the other surface containing music CD signals.)

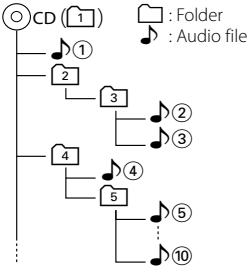
About Audio files

- **Playable Audio file**
  AAC-LC (.m4a), MP3 (.mp3), WMA (.wma), Linear PCM (WAV) (.wav)

- If music of normal CD and other playback systems are recorded in the same disc, only the playback system recorded at the first setout is played.
- **Acceptable media**
  CD-R/RW/ROM, DVD±R/RW, mass-storage-class USB device, iPod with KCA-iP301V
- **Playable disc file format**
  ISO 9660 Level 1/2, Joliet, Romeo, Long file name.
- **Playable USB device file system**
  FAT16, FAT32

Although the audio files are complied with the standards listed above, the play maybe impossible depending on the types or conditions of media or device.

- **Playing order of the Audio file**
  In the example of folder/file tree shown below, the files are played in the order from ① to ⑩.



An online manual about audio files is put on the site, www.kenwood.com/audiofile/. On this online manual, detailed information and notes which are not written in this manual are provided. Make sure to read through the online manual as well.

About Video files

- **Acceptable video files**
  MPEG1, MPEG2, DivX
- **Extensions**
  mpg, mpeg, m1v, m2v, divx, div, avi
- **Acceptable media**
  CD-R/RW/ROM, DVD±R/RW, mass-storage-class USB device, iPod with KCA-iP301V

Acceptable discs, disc formats, USB device file system, file and folder names and playing order are the same as those for audio files. See <About Audio files>.

Next page ►

About Picture files

- **Acceptable picture files**
  JPEG
- **Extensions**
  jpg, jpeg
- **Acceptable media**
  CD-R/RW/ROM, DVD±R/RW, mass-storage-class USB device

Acceptable discs, disc formats, USB device file system, file and folder names and playing order are the same as those for audio files. See <About Audio files>.

iPod/iPhone that can be connected to this unit

Made for

- iPod nano (1st generation)
- iPod nano (2nd generation)
- iPod nano (3rd generation)
- iPod nano (4th generation)
- iPod with video
- iPod classic
- iPod touch (1st generation)
- iPod touch (2nd generation)

Works with

- iPhone
- iPhone 3G

- Update iPod/iPhone software to the latest version.
- You can control an iPod/iPhone from this unit by connecting an iPod/iPhone (commercial product) with Dock connector using an optional accessory iPod connection cable (KCA-iP301V). The word "iPod" appearing in this manual indicates the iPod/iPhone connected with the KCA-iP301V (optional accessory).
- By connecting your iPod/iPhone to this unit with an optional accessory iPod connection cable (KCA-iP301V), you can supply power to your iPod/iPhone as well as charge it while playing music. However, the power of this unit must be on.

- If you start playback after connecting the iPod, the music that has been played by the iPod is played first.
  In this case, "RESUMING" is displayed without displaying a folder name, etc. Changing the browse item will display a correct title, etc.
- When the iPod is connected to this unit, "KENWOOD" or "✓" is displayed on the iPod to indicate that you cannot operate the iPod.

About USB device

- In this manual, the word "USB device" is used for flash memories and digital audio players which have USB terminals.
- When the USB device is connected to this unit, it can be charged up provided that this unit is powered.
- Install the USB device in the place where it will not prevent you from driving your vehicle properly.
- You cannot connect a USB device via a USB hub and Multi Card Reader.
- Take backups of the audio files used with this unit. The files can be erased depending on the operating conditions of the USB device.
  We shall have no compensation for any damage arising out of erasure of the stored data.
- No USB device comes with this unit. You need to purchase a commercially available USB device.
- When connecting the USB device, usage of the CA-U1EX (option) is recommended.
  Normal playback is not guaranteed when a cable other than the USB compatible cable is used.
  Connecting a cable whose total length is longer than 5 m can result in abnormal playback.

Navigation units that can be connected to this unit (DDX814/ DDX8034BT only)

- KNA-G510*/ G431*
- KNA-DV4100
- KNA-DV3100
- KNA-DV2100

* Update the navigation software to the latest version. For how to update the software, refer to the instruction manual of the navigation unit.

About Satellite Radio tuner

This unit supports Satellite Radio tuners which are released by SIRIUS and XM.
Optional accessories below are necessary for connection.
SIRIUS tuner : Conversion cable CA-SR20V
XM tuner : XM interface Box KCA-XM100V
Refer to the instruction manual of Satellite radio tuner.

HD Radio that can be connected to this unit

- KTC-HR300
- KTC-HR200

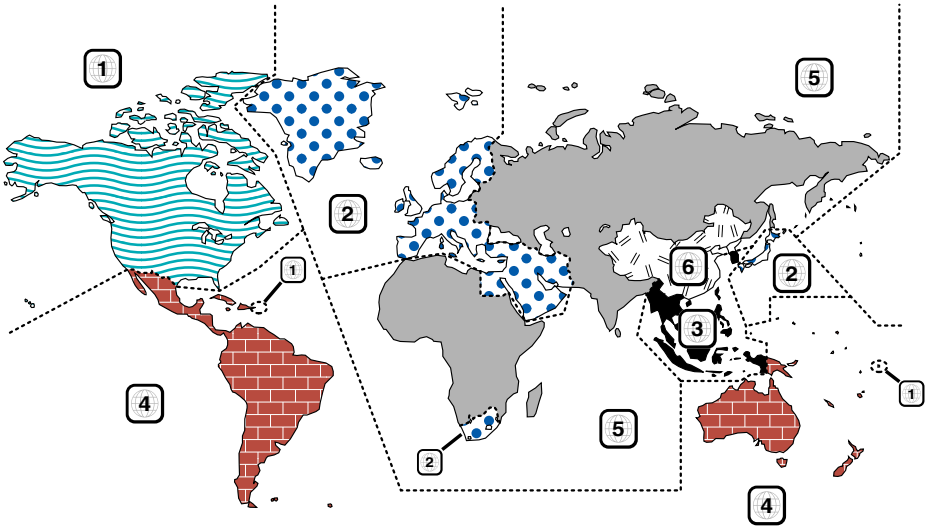
When you connect an HD Radio, Tuner features of the unit are disabled and changed to HD Radio tuner features.

TV tuner that can be connected to this unit (DDX8034BT only)

- KTC-V300N

Region codes in the world

The DVD players are given a region code according to the country or area it is marketed, as shown in the following map.



DVD disc marks

Symbol	Description
ALL	Indicates a region number. The discs with this mark can be played with any DVD player.
8	Indicates the number of audio languages recorded. Up to 8 languages can be recorded in a movie. You can select a favorite language.
32	Indicates the number of subtitled languages recorded. Up to 32 languages can be recorded.
9	If a DVD disc has scenes shot from multiple angles, you can select a favorite angle.
16:9 LB	Indicates the type of screen for the image. The left mark indicates that a wide image picture (16:9) is displayed on a standard TV set screen (4:3) with a black band at both the top and bottom of the screen (letter box).

Operation regulatory marks

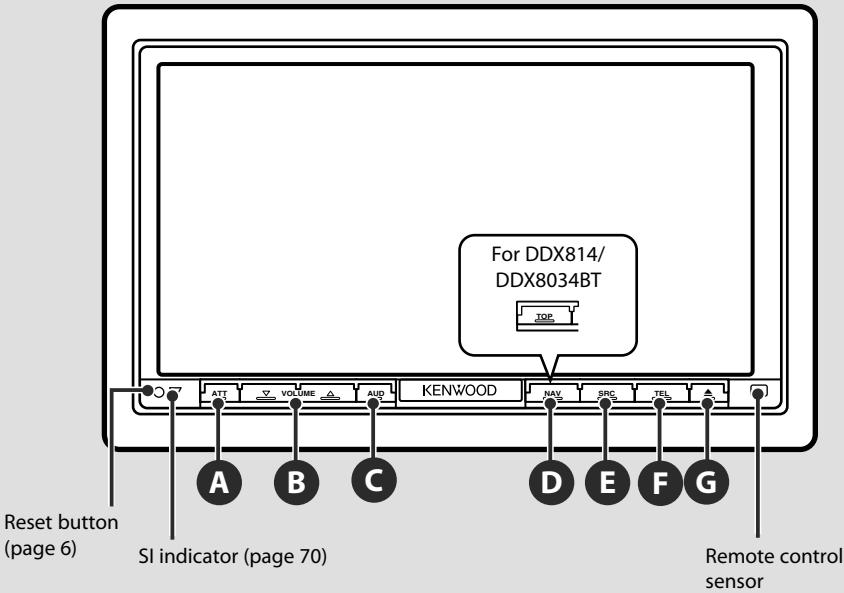
With this DVD, some functions of this unit such as the play function may be restricted depending on the location where the DVD is playing. In this case, the following marks will appear on the screen. For more information, refer to the disc manual.

Prohibition Mark

Discs with limited period of use

Do not leave discs with a limited period of use in this unit. If you load an already expired disc, you may not be able to remove it from this unit.

Functions of the buttons on the front panel



1 sec. : Press for more than 1 second

A Attenuation of the volume On/Off.
1 sec. Keep the tag data of the currently listening music of HD Radio. ➡45

B Volume adjustment.

C Displays Graphic Equalizer screen.*1 ➡62
1 sec. Rear view display On/Off.*2

D ***DNX9140***
Displays the navigation screen.
When the navigation screen has already been displayed, it switches to the currently selected source screen.
1 sec. Picture in Picture function On/Off. ➡11

DDX814/DDX8034BT
Displays the Top Menu screen. ➡15

E Turns the power On.
Displays the Source Select screen. ➡12
1 sec. Turns the power Off.

*1 The display may not switch to Audio Control Menu screen in some conditions.
*2 The function of the [AUD] button can be changed to the display off function. See <User Interface> (page 68).

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DNX9140

Hands Free control On/Off.

1 sec. ■ While watching the playback screen of a visual source
Displays the Easy Control screen. →17

■ While watching the navigation screen
Displays the Screen Control screen. →50

■ While watching the screen other than the above
Screen Switching function On/Off. →11

DDX814/DDX8034BT

Hands Free control On/Off.

1 sec. ■ While watching the playback screen of a visual source or the navigation screen
Displays the Easy Control buttons. →17

G Opens the panel and ejects the disc.
Closes the panel.

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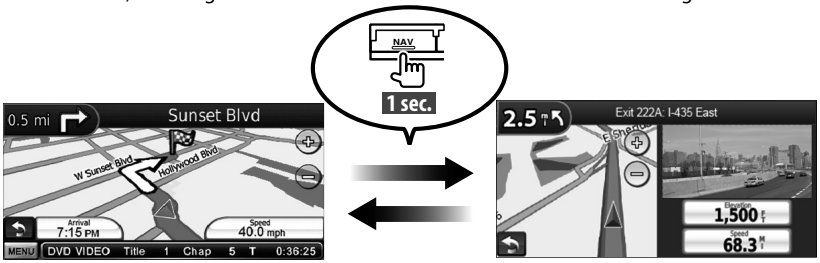
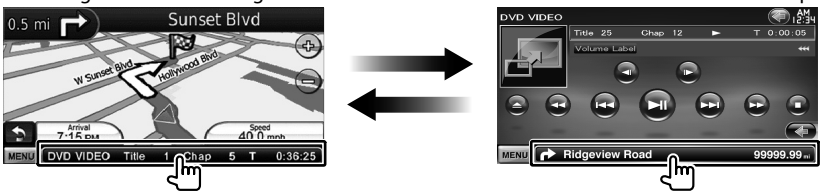
Picture in Picture Function

Two screens, the navigation screen and source screen, are displayed. When Picture in Picture function is on, touching the source screen switches between the R-CAM image and source image.



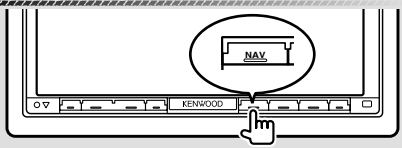
Screen Switching Function

Switching between the navigation screen and the source control screen with one touch operation.



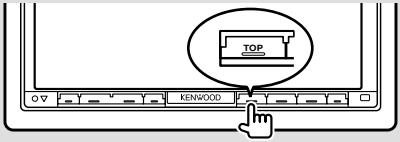
How to Display the Navigation Screen

DNX9140



The navigation screen appears.

DDX814/DDX8034BT



The navigation screen appears.

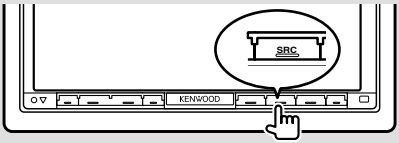
- For how to set up and use the navigation function, see the Navigation Instruction Manual.

- For DDX814/ DDX8034BT, an optional navigation system needs to be connected. See <Navigation unit that can be connected to this unit> (page 8) for connectable navigation units.

How to Select the Source

Sources can be selected from the Source Select screen.

Source Select screen



The **Source Select screen** appears.

Touch the icon of the source.

Use ⏶ or ⏷ to turn the page.

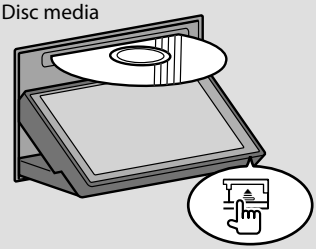
For how to operate each source, see the following pages.

- DVD-VIDEO/ DVD-VR/ Video CD disc ➡ Page 18
- CD ➡ Page 22
- Audio file/ Video file/ Picture file disc ➡ Page 22
- iPod ➡ Page 27
- USB ➡ Page 22
- TUNER ➡ Page 30
- SIRIUS/ XM ➡ Page 39
- HD RADIO ➡ Page 42
- TV ➡ Page 35
- Bluetooth ➡ Page 46

- For Disc media, iPod, and USB, the input is switched to the source as the media or the device is set.

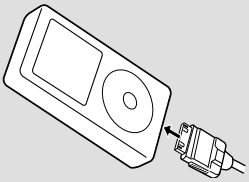
How to Set a Medium / a Device

■ Disc media



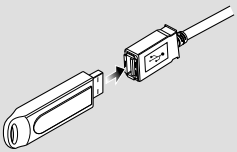
Press the [⏏] button to open/close the front panel.
If a disc is already inserted, it is ejected by pressing the [⏏] button.

■ iPod



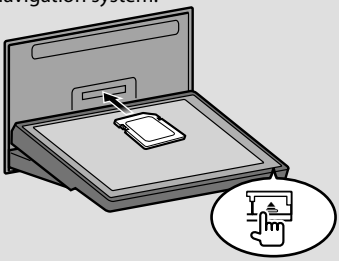
To disconnect the iPod, stop the playback by touching the [►II] button on the source control screen, and then disconnect the iPod. See <Source Control Screen> (page 28).

■ USB device



To disconnect the USB device, touch the [⏏] button on the source control screen, and then disconnect the USB device. See <Source Control Screen> (page 22).

■ SD card (DNX9140 only)
This SD card slot is used to upgrade the Navigation System.
For how to upgrade the Navigation System, refer to the instruction manual of the navigation system.



Press the [⏏] button for more than 1 second to open the front panel.

Inserting the SD card
Hold the SD card with the label side up and the notched section on the right, and insert it into the slot until it clicks.

Removing the SD card
Push the SD card until it clicks and then remove your finger from the card. The card pops up so that you can pull it out with your fingers.

Press the [⏏] button to close the front panel.

- The playback starts automatically after setting the media or the device.

How to Display the Source Control Screen

On the Source Control screen you can find all the control buttons for the selected source.

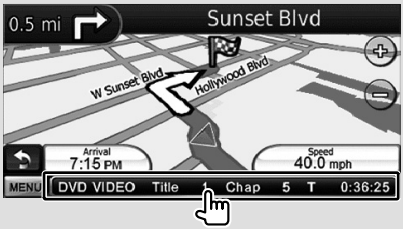
Source Control Screen

- For how to use each button, see the operation pages of each source.

How to display the Source Control screen

DNX9140

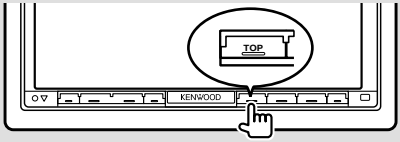
While watching the navigation screen



The **Source Control Screen** appears.

- The screen will return to the navigation screen by touching the same part of the Source Control screen.

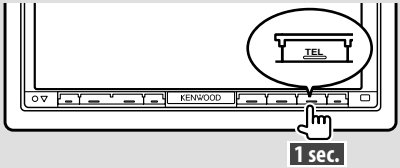
DDX814/ DDX8034BT



The **Source Control Screen** appears.

DNX9140/DDX814/ DDX8034BT

While watching the Easy Control Screen



The **Source Control Screen** appears.

How to Display Top Menu Screen

Top Menu Screen is the entrance to all the functions. You can enter source operation screen as well as various setup menu from this screen.

Top Menu screen

How to display the Top Menu screen

Touch the [MENU] button on any screen.

The **Top Menu Screen** appears.

- For DDX814/ DDX8034BT
  Pressing the [TOP] button on the front panel also displays the Top Menu Screen.

Buttons on the Top Menu screen

[NAV] Switches to the navigation screen.

[SRC] Switches to the source control screen of the selected source.

[TEL] Switches to the Hands Free Main screen.

[NAV SETUP] Displays Navigation SETUP screen. (Instruction manual of the Navigation part) (DNX9140 only)

[SRC SETUP] Displays SETUP Menu screen. (page 66)

[TEL SETUP] Displays Hands Free SETUP screen. (page 55)

[ ] Displays Audio Control Menu screen. (page 61)

[ ] Displays Source Select screen.

[EXT SW] Displays the EXT SW (External Switch) Control screen. (page 48)

[ ] Changes the screen skin each time it is pressed.

The buttons listed below are common for many screens.

[MENU] Displays Top Menu screen.

[ ] Opens the function bar. The buttons shown below appear.

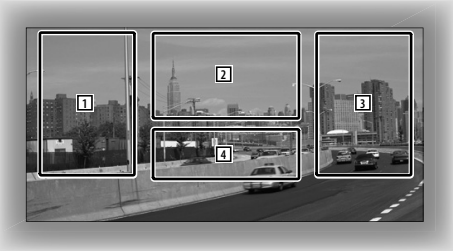
- **[ ]** Displays the currently selected source screen.
- **[ ]** Displays Audio Control Menu screen. (page 61)
- **[ ]** Displays SETUP Menu screen. (page 66)
- **[EXT SW]** Displays the EXT SW (External Switch) Control screen. (page 48)
- **[ ]** Closes the function bar.

Operation on the Playback Screen of Visual Sources

While watching visual sources, basic operation is possible by touching the screen.

The screen has 4 function areas. The function of each area is different depending on the sources. (Some areas are unavailable for some sources.)

Playback screen of a visual source

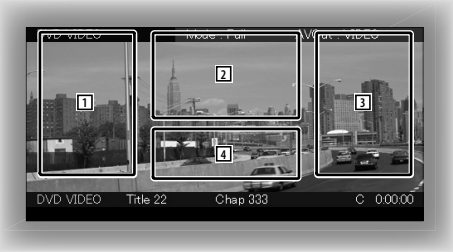


Basic operation of each area

1. Reverse search.
2. Displays Menu control screen (DVD-VIDEO, DVD-VR source), Picture control buttons (sources with picture files), or Zoom control buttons (Video CD).
   Switches TV band.
3. Forward search.
4. Displays source information screen.*

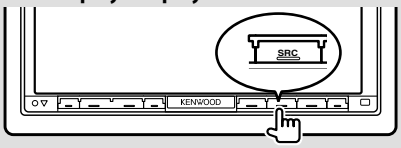
- For the function of each touching area, see the pages of each source.

* *Source information screen*



- The information display is cleared automatically after approximately 5 seconds.

How to display the playback screen



The **Source Select screen** appears.

Touch the icon of the source.

The **Playback screen of a visual source** appears.

How to Display the Easy Control Screen

Basic operation buttons of the selected source can be displayed on the playback screen of visual sources so that you can control the source without switching the screen.

Easy Control Screen

Buttons on the Easy Control Screen

[▼] Changes the function as follows by touching the [▼] button.

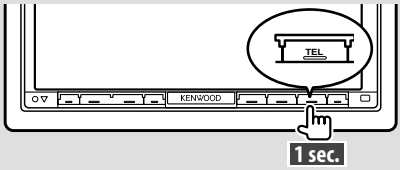
[SCRN] Displays Screen Control screen (page 50).

[TEL] Switches to the Hands Free Main screen (page 52).

[EXT SW] Switches to the EXT SW Control screen (page 48).

[I◄◄], [►►I], [■], [►II]
Buttons for source control. The buttons are different depending on the source. See the operation pages of each source.

While watching the visual source



The **Easy control screen** appears.

- Easy Control screen is hidden when you touch the central part of the monitor.

Watching DVD/Video CD

You can play DVD/Video CD using various functions.

- Set the remote controller mode switch to "DVD" mode before starting operation, see <Remote Controller mode switch> (page 91).

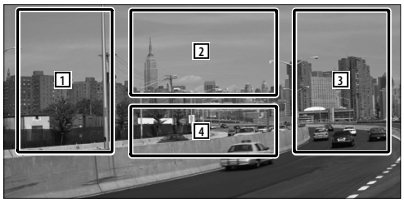
Playback Screen

Basic functions are available even when the playback screen is displayed.

1 Display the Playback Screen

See <Operation on the Playback Screen of Visual Sources> (page 16).

2 Operation on the Playback Screen



1, 3 DVD-VIDEO Searches for a chapter.
DVD-VR Searches for a chapter.
Video CD Selects a scene (when PBC is On) or a track (when PBC is Off).

2 DVD-VIDEO Displays the Menu Control 1 Screen (page 20).
DVD-VR Displays the Menu Control Screen (page 21).
Video CD Displays the Zoom Control Screen (page 21).

4 Displays Source Information Screen.

- The information display is cleared automatically after approximately 5 seconds.

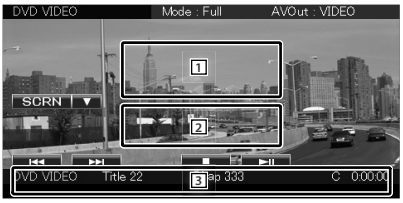
Easy Control Screen

Displays the basic operation buttons on the screen.

1 Display the Easy Control Screen

See <How to Display the Easy Control buttons> (page 17).

2 Operation on the Easy Control Screen



1, 2 Switches to the Playback Screen.

3 Displays the Source Control Screen.

[I◄◄], [►►I] Searches for a chapter/ scene/ track.

[■] Stops playing.

[►II] Plays or pauses.

Source Control Screen

Switches to the source control screen to use various playback functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 14).

2 Operation on the Source Control Screen

DVD-VIDEO/DVD-VR

Video CD

[►II] Plays or pauses.

[■] Stops playing.
When touched twice, the disc is played from its beginning when you play it the next time.

[⏏] Ejects a disc.

[◄◄], [►►] Fast Forwards or Fast Backwards.

[I◄◄], [►►I]
DVD-VIDEO Searches for a chapter.
DVD-VR Searches for a chapter.
Video CD Selects a scene (when PBC is On) or a track (when PBC is Off).

[◄I], [I►] DVD-VIDEO, DVD-VR Slow Forwards or Backwards.

[ ] Switches to the playback screen.

1 Information display
Title display.
"Title" Title Number Display
"Chap" Chapter Number Display
"Scene" Scene/Track Number Display
"►" Play Mode Display
"T"/ "C"/ "R"/ "P" Play Time Display
Use the [TIME] to change play time display.

[ ] When appears, the text display is scrolled by touching it.

Multi Function

[ ] Closes the multi function bar.

DVD-VIDEO

[REP] Switches the Repeat Play operations in the following sequence.
Title Repeat, Chapter Repeat, Repeat Off

[TIME] Switches the play time display in the following sequence.
Chapter ("C"), Title ("T"), remaining titles ("R")

DVD-VR

[REP] Switches the Repeat Play operations in the following sequence.
Title Repeat, Repeat Off

[TIME] Switches the play time display in the following sequence.
Title ("T"), remaining titles ("R")

[PLST] Switches between the original mode and Play list mode.

Video CD

[REP] Switches the Repeat Play operations in the following sequence.
Track Repeat, Repeat Off (Available when the PBC is off)

[TIME] Switches the play time display in the following sequence.
Track ("P"), remaining discs ("R") (Effective only when the PBC function is off)

[PBC] Turns the PBC On or Off. (only when VCD Ver 2.0 is in use)

DVD-VIDEO Disc Menu

Selects an option from the DVD-VIDEO Disc Menu.

1 Display the Playback Screen

See <Operation on the Playback Screen of Visual Sources> (page 16).

2 Display the Menu Control 1 screen

3 Operation on the Menu Control 1 screen

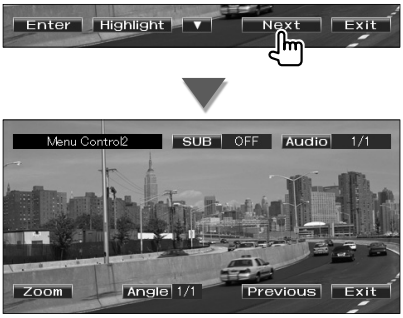
[Menu] Calls the Menu.
[Next] Displays the Menu Control 2 screen.
[◄], [►], [▲], [▼] Selects a menu option.
[Enter] Enters your menu selection.
[Return] Returns to the previous menu screen.
[Top] Displays the Top Menu.
[Highlight] Highlight Control.
[Exit] Exits the Menu Control 1 screen.

4 Operation on the Highlight Control

Highlight control lets you control DVD Menu by touching the menu button directly on the screen.

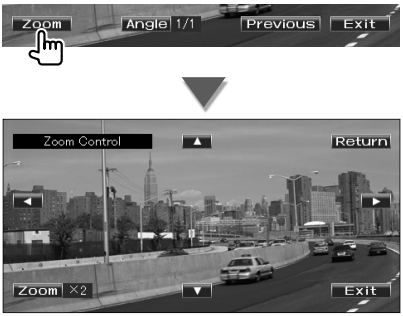
- To cancel Highlight Control, press the [TEL] button for more than 1 second.
- The Highlight Control is cleared automatically after approximately 10 seconds.

5 Operation on the Menu Control 2 screen



[Previous] Displays the Menu Control 1 screen.
[Angle] Switches the picture angle.
[SUB] Switches the subtitle language.
[Audio] Switches the voice language.
[Zoom] Displays the Zoom Control screen.
[Exit] Exits the Menu Control 2 screen.

6 Operation on the Zoom Control screen



[Zoom] Changes the zoom ratio at 4 levels (2 times, 3 times, 4 times, or off) each time you touch.

[◄], [►], [▲], [▼] Scrolls the screen in the direction you touch.

[Return] Returns to the previous screen.

[Exit] Exits the Zoom Control screen.

DVD-VR Menu Control

Selects an option from the DVD-VR Disc Menu.

1 Display the playback screen

See <Operation on the Playback Screen of Visual Sources> (page 16).

2 Display the Menu Control screen

3 Operation on the Menu Control screen

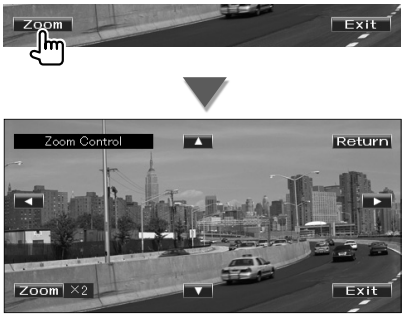
[Zoom] Displays the Zoom Control screen.

[SUB] Switches the subtitle language.

[Audio] Switches the voice language.

[Exit] Exits the Menu Control screen.

4 Operation on the Zoom Control screen



[Zoom] Changes the zoom ratio at 4 levels (2 times, 3 times, 4 times, or off) each time you touch.

[◄], [►], [▲], [▼] Scrolls the screen in the direction you touch.

[Return] Returns to the previous screen.

[Exit] Exits the Zoom Control screen.

Video CD Zoom Control

Displays an enlarged VCD screen.

1 Display the playback screen

See <Operation on the Playback Screen of Visual Sources> (page 16).

2 Display the Zoom Control buttons

3 Operation on the Zoom Control screen

[Zoom] Changes the zoom ratio at 2 levels (2 times or off) each time you touch.

[◄], [►], [▲], [▼] Scrolls the screen in the direction you touch.

[Exit] Exits the Zoom Control screen.

Music Disc/ Audio File Listening & Video File/ Picture File Watching

You can recall various control screens during playback of CD, audio file, video file and picture file.

- See <List of playable discs> (page 7) for playable discs.
- See <About Audio file> (page 7), <About Video files> (page 7) or <About Picture files> (page 8) for playable files.

Source Control Screen

Switches to the source control screen to use various playback functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 14).

2 Operation on the Source Control screen

CD

Audio File MPEG/DivX® JPEG

[►II] Plays or pauses.

[■] Disc Stops playing.

[▲] Disc Ejects the disc.
USB Disables the USB device.
When "No Device" is shown, the USB device can be removed safely.
If you wish to play it again while the USB device is connected, touch it again.

[◄◄], [►►] CD, Audio File, MPEG/DivX®
Fast Forwards or Fast Backwards.

[I◄◄], [►►I] Selects a track/ file.

[ ], [ ] Audio File, MPEG/DivX®, JPEG
Selects a folder.

[List] Displays the folder list or play list. (page 23)

[ ] Switches to the playback screen.

1 Information display

CD Selects the Disc Text or Track Text.

Audio File, MPEG/DivX®, JPEG
Selects Folder Name, File Name, Title, Artist Name, or Album Name.

"Track" Track Number Display

" " Folder Number Display

" " File Number Display

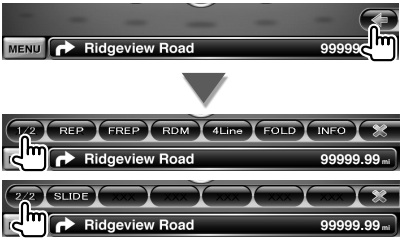
"#### / ####" Total number of file in the folder and the file number display

"►" Play Mode Display

"P"/ "R" Play Time Display
Use the [TIME] to change play time display.

[ ] When appears, the text display is scrolled by touching it.

Multi Function



[1/2] Switches the multi function display.

[ ] Closes the multi function bar.

CD

[REP] Repeats the present track.

[RDM] Starts or stops Random Play (to play music in random order).

[TIME] Switches the play time display between Track ("P"), and Disc Remaining Time ("R").

Audio File MPEG/DivX® JPEG

[REP] Repeats the present file or data.

[FREP] Repeats the music or data of the present folder.

[RDM] Starts or stops Random Play (to play files of the present folder in random order).

[4Line]/ [2Line] Switches the number of lines displayed in the Information Display.

[FOLD]/ [Flist] Displays the folder list.

[Plist] Audio File in USB
Displays the play list.

[SLIDE] Displays images in the folder currently being played one after another.
If there is no image in the folder currently being played, initial background is displayed.
For information on setting the image display time, see <Disc Setup> (page 86) or <USB Setup> (page 86).

[INFO] Audio File Displays music information (such as Tag and content property) of Audio file being played.
MPEG/DivX, JPEG Displays information of file being played.

[LINK] Audio File in USB Searches for another song of the currently selected artist. See <Link Search> (page 25).

[DEVICE] USB Selects the connected USB device (or a partition). (page 24)

List Select

Folder list: Searches folders and Audio/ Video/ Picture files stored in media and devices according to hierarchy.
Play list: Lists and searches music contained in the USB device.

1 Display the Source Control Screen

See <Source Control Screen> (page 22).

2 Start List Select

Disc

USB

- Touching [List] displays the previously used Folder list or Play list.

3 Select a song

Folder list Disc/USB

1 Folder opens when touched, and the Audio file is played.

[⏮] When ⏮ appears, the text display is scrolled by touching it.

[ROOT] Moves to the top hierarchy level.

[UP] Moves up a hierarchy level.

[TOP] Moves to the top folder.

[CUR] Displays the currently playing folder.

[CTRL] Returns to the Source Control screen.

Play list Audio File ***in*** USB

1 Switches to the lower level of the category.

[⏮] When ⏮ appears, the text display is scrolled by touching it.

[▶ ALL] Lists all the music in the selected category.

[UP] Moves to the upper level of the category.

[TOP] Moves to the top category.

[CUR] Displays the currently playing category.

[CTRL] Returns to the Source Control screen.

Next page ►

Scrolls to the position of the specified initial

Scrolls to the selected initial.

USB device select

Selects the connected USB device (or a partition).

1 Display the Source Control Screen

See <Source Control Screen> (page 22).

2 Display the USB Device Select Screen

3 Select a USB device

1 Selects a device or partition.

[UP] Returns to the Device Selection screen.

[ ] When appears, the text display is scrolled by touching it.

[CTRL] Returns to the Source Control screen.

Link search (Audio file in USB)

Searches for another song of the currently selected artist.

1 Display the Source Control Screen

See <Source Control Screen> (page 22).

2 Start Link search

3 Select a song

1 Plays the touched song.

[⏮] When ⏮ appears, the text display is scrolled by touching it.

[TOP] Moves to the top category.

[CUR] Displays the currently playing category.

[CTRL] Returns to the Source Control screen.

Scrolls to the position of the specified initial

Scrolls to the selected initial.

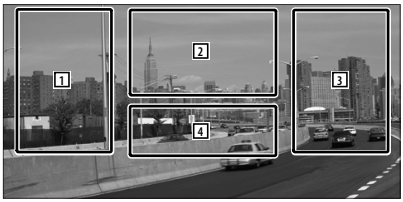
Playback Screen (Video file, Picture file)

Basic functions are available even when the playback screen is displayed.

1 Display the Playback Screen

See <Operation on the Playback Screen of Visual Sources> (page 16).

2 Operation on the Playback Screen



1, 3 Searches for a file.

2 JPEG Displays the Picture Control Screen (page 26).

MPEG/DivX Displays the Menu Control Screen (page 26).

4 Displays Source Information Screen.

- The information display is cleared automatically after approximately 5 seconds. Also, the information can be displayed automatically when it is updated.

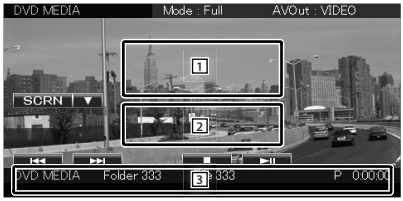
Easy Control Screen (Video file, Picture file)

Displays the basic operation buttons on the screen.

1 Display the Easy Control Screen

See <How to Display the Easy Control Screen> (page 17).

2 Operation on the Easy Control Screen



1, 2 Switches to the Playback Screen.

3 Displays the Source Control Screen.

[|◄◄], [►►|] Searches for a file.

[■] Disc Stops playing.

[►II] Plays or pauses.

Picture Control

Adjusting the video display.

1 Display the Playback Screen

See <Operation on the Playback Screen of Visual Sources> (page 16).

2 Display the Picture Control Screen

3 Adjust the video display

[⇕] Reverses the picture horizontally.

[↶] Rotates counter clockwise.

[↷] Rotates clockwise.

[Exit] Ends Picture Control.

Movie Menu Control

Selects an option from the Movie Menu.

1 Display the playback screen

See <Operation on the Playback Screen of Visual Sources> (page 16).

2 Display the Menu Control screen

3 Operation on the Menu Control screen

[SUB] Switches the subtitle language.

[Audio] Switches the voice language.

[Exit] Exits the Menu Control screen.

iPod Control

You can control and listen to songs in your iPod by connecting an iPod to this unit with KCA-iP301V (optional accessory). You can also display video contents on this unit when connecting an iPod with video.

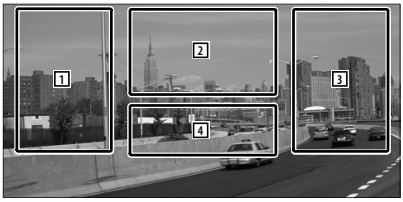
Playback Screen

Basic functions are available even when the playback screen is displayed.

1 Display the Playback Screen

See <Operation on the Playback Screen of Visual Sources> (page 16).

2 Operation on the Playback Screen



1, 3 Selects the music/video.

2 Not effective

4 Displays Source Information Screen.

- The information display is cleared automatically after approximately 5 seconds. Also, the information can be displayed automatically when it is updated.
- Remove all accessories such as headphone before connecting an iPod. You may not be able to control the iPod if you connect it with accessories attached.
- When you connect an iPod to this unit, playback starts from the song you were playing on the iPod itself (Resume Function).
- If the played song is not a video content, "No Video Signal" is displayed on the video screen.

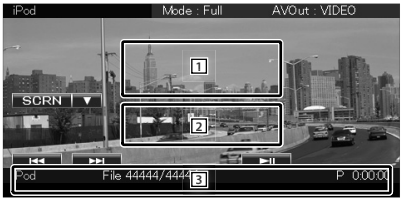
Easy Control Screen

Displays the basic operation buttons on the screen.

1 Display the Easy Control Screen

See <How to Display the Easy Control Screen> (page 17).

2 Operation on the Easy Control Screen



1, 2 Switches to the Playback Screen.

3 Displays the Source Control Screen.

[I◄◄], [►►I] Music/Video Search.

[►II] Plays or pauses.

Source Control Screen

Switches to the source control screen to use various playback functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 14).

2 Operation on the Source Control Screen

[►II] Plays or pauses.

[◄◄], [►►] Fast Forwards or Fast Backwards.

[I◄◄], [►►I] Selects Music/Video.

[List] Displays the iPod list. (page 28)

[ ] Switches to the playback screen.

1 Information display
Selects the Title, Artist Name, Album Name or iPod Name.

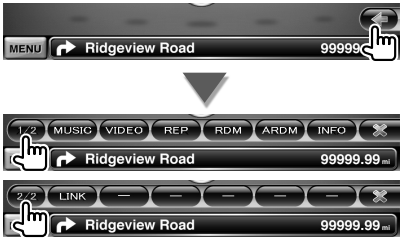
"##### / #####" Total number of music in the iPod and the music number display

"►" Play Mode Display

"P" Play Time Display

[◄◄] When ◄◄ appears, the text display is scrolled by touching it.

Multi Function



[1/2] Switches the multi function display.

[ ] Closes the multi function bar.

[MUSIC] Displays the list of music category.

[VIDEO] Displays the list of video category.

[REP] Repeats the present file or data.

[RDM] Starts or stops Random play.*

[ARDM] Starts or stops Album Random Play (plays randomly from current album).*

[INFO] Displays information screen of music/video being played.

[LINK] MUSIC Searches for another song of the currently selected artist. See <Link Search> (page 29).*

* Disabled when VIDEO is being played.

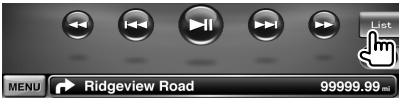
iPod List

Lists and searches music/video contained in the iPod.

1 Display the Source Control Screen

See <Source Control Screen> (page 28).

2 Display the iPod List



3 Select music/video

1 Categories and music are listed.
Touch a category name to move to its lower level. If music title is displayed, the music is played by touching it.
When [►II] is appeared, all the music in its category is played by touching the button.

[◄◄] When ◄◄ appears, the text display is scrolled by touching it.

[UP] Returns to previous category.

[TOP] Moves to the top category.

[CUR] Displays the currently playing category.

[CTRL] Returns to the Source Control screen.

Scrolls to the position of the specified initial

Scrolls to the selected initial.

Link search (Music file)

Searches for another song of the currently selected artist.

1 Display the Source Control Screen

See <Source Control Screen> (page 28).

2 Start Link search

3 Select a song

1 Plays the touched song.

[⏮] When ⏮ appears, the text display is scrolled by touching it.

[TOP] Moves to the top category.

[CUR] Displays the currently playing category.

[CTRL] Returns to the Source Control screen.

Scrolls to the position of the specified initial

Scrolls to the selected initial.

Radio Listening

Various control screens appear in the Tuner Source mode.

- Set the remote controller mode switch to "AUD" mode before starting operation, see <Remote Controller mode switch> (page 91).

Source Control Screen

Switches to the source control screen to use various functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 14).

2 Operation on the Source Control screen

[FM] Switches to the FM1/2/3 band.

[AM] Switches to the AM band.

[TI] Turns the Traffic Information function On or Off.*1
See <Traffic Information>, (page 33).

[|◄◄], [►►|] Tunes in a station.
Use the [SEEK] to change the frequency.

[List] Display the Tuner Preset List Screen. (page 31).

1 Information display
Selects the Program Service Name, Title & Artist name, Station Name, R-Text Plus, or Radio Text.

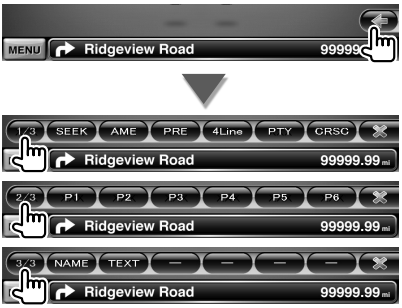
"FM"/ "AM" Band display

"Preset" Preset number

"MHz"/ "kHz" Frequency display

[◄◄] When ◄◄ appears, the text display is scrolled by touching it.

Multi Function



[1/3] Switches the multi function display.

[✖] Closes the multi function bar.

[SEEK] Switches the Seek mode.
The mode is switched in the following order each time you touch the button.

Display	Setting
"AUTO1"	Tunes in a station with good reception automatically.
"AUTO2"	Tunes in stations in memory one after another.
"MANU"	Switches to the next frequency manually.

[AME] Selects the Auto Memory mode.
See <Auto Memory> (page 31).

[PRE] Lists and selects memorized station.

[4Line]/ [2Line] Switches the number of lines displayed in the Information Display.*1

[PTY] FM Searches station by program type.*1
See <Search for Program Type> (page 34).

[CRSC] FM Turns the CRSC function On or Off.

[P1] – [P6] When [P1] to [P6] buttons appear, you can recall the stations on memory.
For memory of broadcasting stations, see <Auto Memory> (page 31) or <Manual Memory> (page 32).

[NAME] Sets a name to the station. See <Set Station Name> (page 33).

[TEXT] FM Displays Radio Text screen.*1
See <Radio Text> (page 32).

- *1 North American sales area only.

Preset Select

Lists and selects memorized station.

1 Display the Source Control Screen

See <Source Control Screen> (page 30).

2 Display the Tuner Preset List Screen

3 Select a station

1 Memorized stations are displayed. Touch to tune in.

[DISP] Switches the list display name to Station name or Program Service Name.*1

[CTRL] Returns to the Source Control screen.

- *1 North American sales area only.

Auto Memory

Stores stations with good reception in memory automatically.

1 Display the Source Control Screen

See <Source Control Screen> (page 30).

2 Select a band you wish to store in memory

3 Select the Auto Memory mode

4 Start Auto Memory

Auto Memory terminates when 6 stations are stored or when all stations are tuned in.

- The operation ends automatically if you do not operate within 10 seconds.

Manual Memory

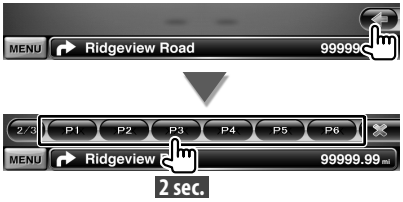
Stores the current receiving station in memory.

1 Display the Source Control Screen

See <Source Control Screen> (page 30).

2 Select a station you wish to store in memory

3 Store in memory



Continue to touch until the memory number appears.

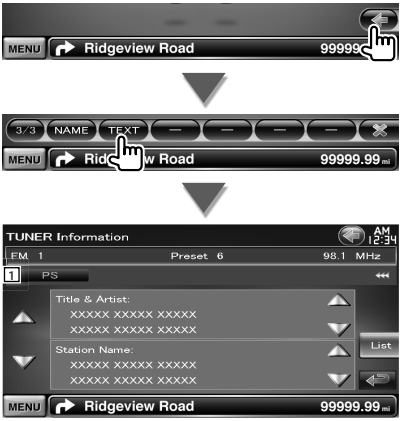
Radio Text (North American sales area only)

You can display the radio text. (Only when receiving the FM broadcast)

1 Select a station

See <Source Control Screen> (page 30).

2 Display the radio text



1 Selects the Program Service Name, Title & Artist name, Station Name, Category Name 1/2, or Radio Text for text display.

[⏮] When ⏮ appears, the text display is scrolled by touching it.

[▲], [▼] Scrolls the text display.

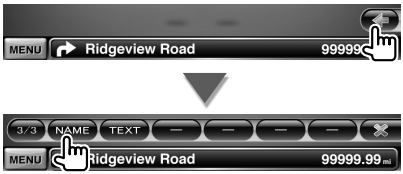
Set Station Name

Assigns a name to a station.

1 Tune in to the station to name

See <Source Control Screen> (page 30).

2 Start Name set



3 Enter the name

See <Character Entry> (page 48) for information on how to enter a name.

4 End Name set

Traffic Information (North American sales area only)

When a traffic bulletin starts, any source is switched to the traffic information and it is displayed automatically.

1 Display the Source Control Screen

See <Source Control Screen> (page 30).

2 Set the Traffic information mode

When the traffic bulletin starts...

The Traffic Information screen appears automatically.

Traffic Information screen

- It is necessary to have Traffic Information function set to On in order to have the Traffic Information screen appear automatically.
- During the reception of traffic information the adjusted volume is automatically remembered, so that the next time it switches to traffic information the volume level is that from the previously adjusted and remembered level.

Search by Program Type (North American sales area only)

A program is tuned when you set its program type. (Only when receiving the FM broadcast)

1 Display the Source Control Screen

See <Source Control Screen> (page 30).

2 Enter Program Type Search mode

3 Select a Program Type

1 Program Type is displayed. Touch to select a Program Type.

[Search] Searches for the program type. It is displayed when the Program type is selected.

[User] Continue to touch more than 2 seconds. The currently receiving station is registered to the selected program type.

4 Search a station of the selected Program Type

TV Watching (DDX8034BT only)

Various control screens appear in the TV source mode. You can only operate TV with the optional accessory TV Tuner connected.

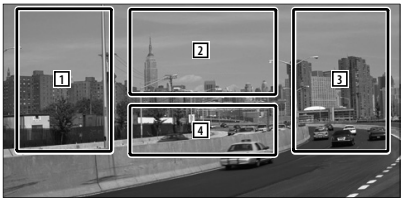
Function During TV Screen

Basic functions are available even when the TV screen is displayed.

1 Display the TV screen

See <Operation on the Playback Screen of Visual Sources> (page 16).

2 Operation on the TV screen



1, 3 Selects a channel.

2 Switches to TV1 or TV2.

4 Displays Source Information Screen.

- The information display is cleared automatically after approximately 5 seconds. Also, the information can be displayed automatically when it is updated.

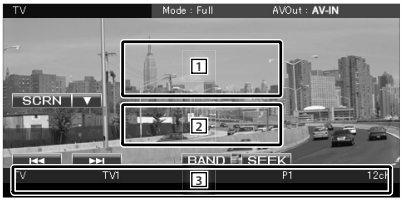
Easy Control Screen

Displays the basic operation buttons on the screen.

1 Display the Easy Control Screen

See <How to Display the Easy Control Screen> (page 17).

2 Operation on the Easy Control Screen



1, 2 Switches to the TV screen.

3 Displays the Source Control Screen.

[BAND] Switches to TV1 or TV2.

[|◄◄], [►►|] Selects a channel.
Use the [SEEK] to change the channel tuning sequence.

[SEEK] Switches the Seek mode. (page 36)

Source Control Screen

Switches to source control screen to use various functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 14).

2 Operation on the Source Control Screen

[BAND] Switches to TV1 or TV2.

[|◄◄], [►►|] Select a channel.
Use the [SEEK] to change the channel tuning sequence.

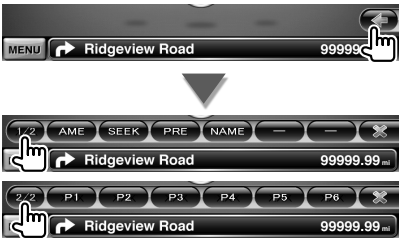
[List] Display the TV Preset List Screen. (page 38).

[ ] Switches to the TV screen.

1 Information display
Channel information display
"TV" Band display
"Preset" Memory Number Display
"ch" Channel display

[◄◄] When ◄◄ appears, the text display is scrolled by touching it.

Multi Function



[1/2] Switches the multi function display.

[ ] Closes the multi function bar.

[AME] Selects the Auto Memory mode.
See <Auto Memory> (page 37).

[SEEK] Switches the Seek mode.
The mode is switched in the following order each time you touch the button.

Display	Setting
"AUTO1"	Tunes in a station with good reception automatically.
"AUTO2"	Tunes in stations in memory one after another.
"MANU"	Switches to the next frequency manually.

[PRE] Lists and selects memorized station.

[NAME] Sets a name to the station. See <Set Station Name> (page 38).

[P1] – [P6] When [P1] to [P6] buttons appear, you can recall channels on memory.
For memory of broadcasting stations, see <Auto Memory> (page 37) or <Manual Memory> (page 37).

Auto Memory

Stores stations with good reception in memory automatically.

1 Display the Source Control Screen

See <Source Control Screen> (page 36).

2 Select a band you wish to store in memory

3 Select the Auto Memory mode

4 Start Auto Memory

Auto Memory terminates when 6 stations are stored or when all stations are tuned in.

- The operation ends automatically if you do not operate within 10 seconds.

Manual Memory

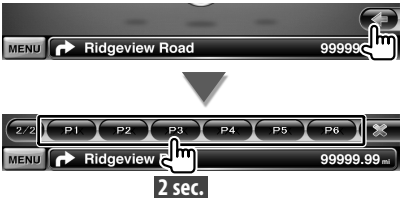
Stores the current receiving channel in memory.

1 Display the Source Control Screen

See <Source Control Screen> (page 36).

2 Select a station you wish to store in memory

3 Store in memory



Continue to touch until the memory number appears.

Preset Select

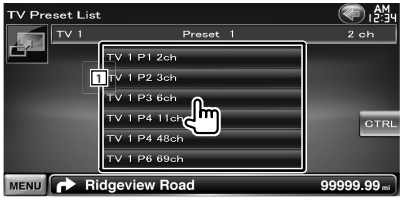
Lists and selects memorized station.

1 Display the Source Control Screen

See <Source Control Screen> (page 36).

2 Start Preset Select

3 Select a station



1 Memorized stations are displayed. Touch to tune in.

[ ] Switches to the TV screen.

[CTRL] Returns to the Source Control screen.

Set Station Name

Assigns a name to a station.

1 Tune in to the station to name

See <Source Control Screen> (page 36).

2 Start Name set

3 Enter the name

See <Character Entry> (page 48) for information on how to enter a name.

4 End Name set

SIRIUS/XM Control (North American sales area only)

Various control screens appear in the Satellite radio source mode. (only with the optional accessory Satellite radio connected. To connect the SIRIUS tuner, a conversion cable CA-SR20V (optional accessory) is necessary and to connect the XM tuner, an XM interface Box KCA-XM100V (optional accessory) is necessary.)

- This document uses the SIRIUS display as an example.

Source Control Screen

Switches to control screen to use various functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 14).

2 Operation on the Source Control screen

[BAND] Switches the band.

[|◄◄], [►►|] Tunes in a station.
Use the [SEEK] to change the frequency switching.

[List] Display the Category List Screen. (page 40).

1 Information display
Displays information concerning music being played.

SIRIUS Changes the display from Channel Name, Song Title Name, Artist Name, Composer Name, to Category Name.

XM Changes the display from Channel Name, Artist Name, Song Title Name, to Category Name.

Displays the ID number when Channel 0 is selected.

SIRIUS Displays the SIRIUS ID.

XM Displays the RADIO ID.

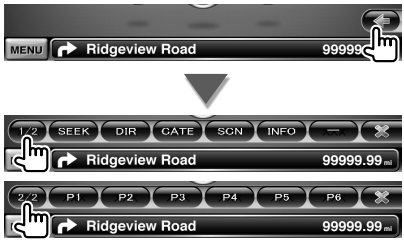
"SR"/ "XM" Band display

"Preset" Preset number

"CH" Channel display

[◄◄] When ◄◄ appears, the text display is scrolled by touching it.

Multi Function



[1/2] Switches the multi function display.

[✕] Closes the multi function bar.

[SEEK] Switches the Seek mode.
The mode is switched in the following order each time you touch the button.

Display	Setting
"SEEK1"	Tunes channels one after the other.
"SEEK2"	Selects channels in memory one after the other.

[DIR] You can tune in by entering the desired channel number. See <Direct Channel Search> (page 41).

[CATE] You can tune in by specifying the desired category. See <Channel Search> (page 40).

[SCN] Starts or stops Channel Scan (that tunes channels one after the other).

[INFO] Displays the program information screen.

[P1] – [P6] When [P1] to [P6] buttons appear, you can recall the channel on memory. For memory of channel stations, see <Channel Memory> (page 40).

Channel Search

Specifying the desired category and selecting a channel.

1 Display the Source Control Screen

See <Source Control Screen> (page 39).

2 Display the Category List Screen

3 Select a category

1 Selects a category.
Displays all the channels in the selected category.

[⏮] When ⏮ appears, the text display is scrolled by touching it.

[All Channel] Displays all the channels.

[CTRL] Returns to the Source Control screen.

4 Select a channel

1 Selects a channel.
Tunes in the selected channel.

[Info Change] SIRIUS Switches the sequence of the list.
Changes the display from Channel Name, Category Name, Song Title, Artist Name, to Composer Name.

[⬆ UP] Display the category list.

Channel Memory

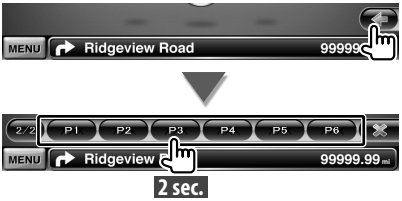
Stores the current receiving channel in memory.

1 Display the Source Control Screen

See <Source Control Screen> (page 39).

2 Select a channel you wish to store in memory

3 Store in memory



Continue to touch until the memory number appears.

Direct Channel Search

Tuning in by entering the desired channel number.

1 Display the Source Control Screen

See <Source Control Screen> (page 39).

2 Start Direct Channel Search

3 Enter the channel number

1 Enters the channel number.

[Cancel] Cancels the direct channel search.

[Clear] Clears the channel number.

4 Tune in the channel

HD Radio Control (North American sales area only)

Various control screens appear in the HD Radio Source mode. (only with the optional accessory HD Radio tuner connected)

Source Control Screen

Switches to the source control screen to use various functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 14).

2 Operation on the Source Control screen

[HD FM] Switches to the HD FM1/2/3 band.

[HD AM] Switches to the HD AM band.

[I◄◄], [►►I] Tunes in a station.
Use the [SEEK] to change the frequency switching.

[CH ▼], [CH ▲] Selects a channel (program).

1 Information display
Selects the Call Letter (8), Title (32), Artist (32), Album (32), Genre (8), or Station Name (32).
The number in the ( ) indicates the maximum number of displayed characters.

"FM"/ "AM" Band display

"Preset" Preset number

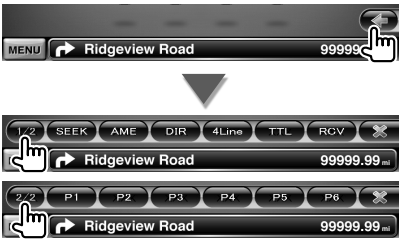
"MHz"/ "kHz" Frequency display

"CH" Channel display

"Tag" When song information can be registered.* (page 45)

[◄◄] When ◄◄ appears, the text display is scrolled by touching it.

Multi Function



[1/2] Switches the multi function display.

[ ] Closes the multi function bar.

[SEEK] Switches the Seek mode.
The mode is switched in the following order each time you touch the button.

Display	Setting
"AUTO1"	Tunes in a station with good reception automatically.
"AUTO2"	Tunes in stations in memory one after another.
"MANU"	Switches to the next frequency manually.

[AME] Selects the Auto Memory mode.
See <Auto Memory> (page 43).

[DIR] You can tune in by entering the desired frequency or channel number.
See <Direct Search> (page 44).*

[4Line]/ [2Line] Switches the number of lines displayed in the Information Display.

[TTL] Displays the tuned in program information.

[RCV] The Receive mode switches in the following order. (page 44)

[P1] – [P6] When [P1] to [P6] buttons appear, you can recall the stations on memory.
For memory of broadcasting stations, see <Auto Memory> (page 43) or <Manual Memory> (page 43).

- * KTC-HR300 (optional accessory) connected only.

Auto Memory

Stores stations with good reception in memory automatically.

1 Display the Source Control Screen

See <Source Control Screen> (page 42).

2 Select a band you wish to store in memory

3 Select the Auto Memory mode

4 Start Auto Memory

Auto Memory terminates when 6 stations are stored or when all stations are tuned in.

- The operation ends automatically if you do not operate within 10 seconds.

Manual Memory

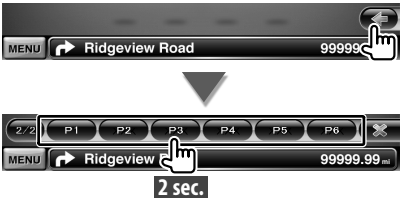
Stores the current receiving station in memory.

1 Display the Source Control Screen

See <Source Control Screen> (page 42).

2 Select a station you wish to store in memory

3 Store in memory



Continue to touch until the memory number appears.

Receive mode

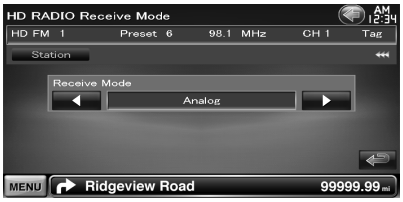
Sets the radio broadcasts receive mode.

1 Display the Source Control Screen

See <Source Control Screen> (page 42).

2 Display the Receive mode screen

3 Select the receive mode



[Receive Mode] The Receive mode switches in the following order.

"Auto": Automatically tunes to analog broadcast when there is no digital broadcast.

"Digital": Digital broadcasts only.

"Analog": Analog broadcasts only.

Direct Search

Tuning in by entering the desired frequency or channel number.

KTC-HR300 (optional accessory) connected only.

1 Display the Source Control Screen

See <Source Control Screen> (page 42).

2 Start Direct Search

3 Enter the frequency or channel number

1 Enters the frequency or channel number.

[Mode] Switches the search mode to Frequency or Channel.

[Cancel] Cancels the direct search.

[Clear] Clears the frequency or channel number.

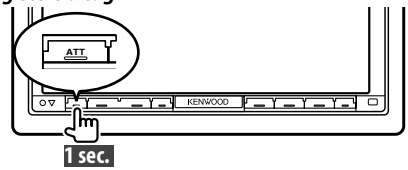
4 Tune in the frequency or channel

iTunes Tagging (HD Radio Tagging)

Using an iTunes Tagging enabled HD Radio you can tag your music. When you hear a song you enjoy on your local HD Radio station, you only have to press the [ATT] button for at least 1 second. The song's information will then be saved on this unit. The saved songs will then show up in a playlist called "Purchased" in iTunes the very next time you sync your iPod to your computer. So then you just need to click and then easily buy and download the song you were tagging directly from the Apple iTunes Music Store.

KTC-HR300 (optional accessory) connected only.

Registers a tag



The memory usage can be checked

1 Display the Source Control Screen

See <Source Control Screen> (page 42).

2 Display the Information Screen

3 The memory usage can be checked

Select the "Tagging Information" display.

- Up to 50 TAGs (song's information) can be registered to this unit. When iPod is connected, the TAG information registered to this unit is transferred to the connected iPod.

Bluetooth Audio Control

You can listen to audio files stored in Bluetooth audio player and cell-phone.

Before Use

- You need to register your audio player and cell-phone before using it with this unit. For more details, see <Registering Bluetooth Unit> (page 75).
- If you have registered two or more audio players or cell-phones, you need to select one of them. For more details, see <Bluetooth Unit Connection> (page 77).

Source Control Screen

Switches to control screen to use various functions.

1 Display the Source Control Screen

See <How to Display the Source Control Screen> (page 14).

2 Operation on the Source Control screen

[►] Plays.

[■] Stops playing.

[❚❚] Pauses.

[|◄◄], [►►|] Selects a file.

- If the Bluetooth Audio player does not support AVRCP profile, buttons are not displayed. Operate from the Audio player.

Voice Control (DNX9140 only)

The unit is equipped with Automatic Speech Recognition function which allows you to operate it with your voice. The supported languages are US English, UK English, French, German, Dutch, Italian, and Spanish. For information on the recognizable voice commands, refer to <Voice command table> (separate volume).

- ASR on the Language Setting screen should be set to "Enabled". See <Language Setting> (page 68).

Voice Control

1 Enter into the Voice control mode

Press the TALK switch.

The voice recognition icons will be attached to the buttons supporting the voice control.

2 Speak the command

Speak the command. (Ex: Speak "Source Select".)
You will hear a beep.

The screen has changed to the Source Control screen.
You will hear a beep again.

3 Speak the command

Speak the command. (Ex: Speak "TUNER".)
You will hear a beep.

The screen has changed to the Tuner Control screen.
You will hear a beep again.

4 Control the source with voice control

Repeat the same procedure as step 2 or 3.
For information on the recognizable voice commands, refer to <Voice command table> (separate volume).

5 End the voice control mode

Press the TALK switch.

- The voice control is disabled while operating the hands-free phone.
- The voice control is disabled when is displayed on the upper-right corner of the screen.
- The voice control is canceled when the screen is touched or any of the buttons, except the [VOLUME] button, on the front panel or the remote control unit is pressed.
- The voice control is disabled while using your cell-phone with hands-free.
- The voice control is canceled if no operation is continued for a certain period of time.

Tips for voice command

The voice recognition icons are displayed on the operation buttons on the screen when the voice control mode is turned on. The icons are divided into two types: the number icon (such as 1) for the list buttons, and the icon for the operation buttons. The command name may be displayed.

Character Entry

Character Entry screen

1 Enters characters.

[◄], [►] Shifts the cursor.

[▲], [▼] Scrolls up or down the character button display.

[QWE]/ [ABC] Sets the key layout of the character buttons.
ABC : Alphabetical key layout.
QWE : Qwerty key layout.

[Clear] Clears the character.
If you erase a character, locate the cursor on it and touch this button.
If touched more than 1 second, all the input characters are erased.

[Space] Enters a space.

- You can enter characters only after you have applied the parking brake.

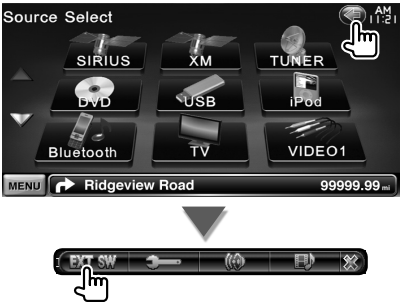
External Device Power Supply Control

Controlling the external device power supply.

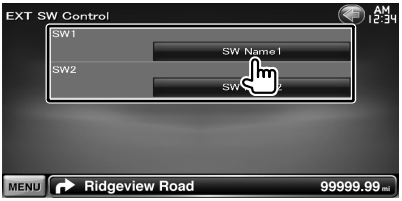
1 Display the Source Select Screen

See <How to Select the Source> (page 12).

2 Display the EXT SW Control screen



3 Control the external device power supply



You can turn on or off the external device power supply.

- You must connect a commercially available relay unit in order to use this function.
  Connect the external device to be controlled to that relay unit.
- Refer to <EXT SW Setup> (page 71) for information on setting the power on or off specification.

Muting Audio Volume upon Reception of Phone Call

When a telephone call is received...

The Phone Call ("CALL") screen appears, and system is paused.

Phone Call ("CALL") screen

When the call ends...

Hang up the phone.

The system resumes playing automatically.

- To use the TEL Mute feature, you need to hook up the MUTE wire to your telephone using a commercial telephone accessory. Refer to <INSTALLATION MANUAL>.
- Playback of the source output at the AV OUTPUT port may not be paused even a call comes in.

Screen Control

Setting the monitor screen.

Screen Control

1 Display the Easy Control Screen

See <How to Display the Easy Control Screen> (page 17).

2 Display the Screen Control screen

3 Adjust the picture quality

[Bright] Brightness Control

[Tint] Tint Control
Displayed for an NTSC system image on Video, iPod, TV or Rear View Camera.

[Color] Color Control
Displayed on Video, iPod, TV or Rear View Camera screen only.

[Contrast] Contrast Control

[Black] Black Level Adjustment

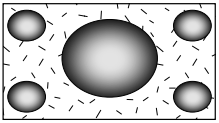
[Sharpness] Sharpness control
Displayed on Video, iPod, USB, TV or Rear View Camera screen only.

[Dimmer] Dimmer Mode Setup
"ON": The display dims.
"OFF": The display doesn't dim.
"SYNC": Turning the Dimmer function On or Off when the vehicle light control switch is turned On or Off.
"NAV-SYNC": Turning the Dimmer function On or Off according to the Navigation Day/Night display setting. (DNX9140 only)

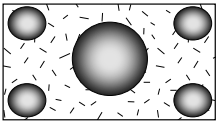
[Mode] Selects a screen mode.
You can select any of the following screen mode.
"Full", "Just", "Zoom", "Normal"

- The Screen Control screen is displayed only when you have applied the parking brake.
- The picture quality can be set for each source.
- You can set image quality of screens such as menu from <Screen Adjustment> (page 75).

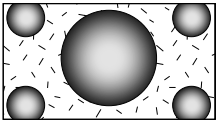
Full picture mode ("Full")



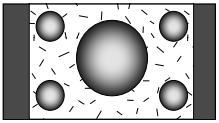
Justify picture mode ("Just")



Zoom picture mode ("Zoom")



Normal picture mode ("Normal")



Hands Free Unit Control

Various functions can be used in the Hands Free control mode.

Before Use

- You need to register your cell-phone before using it with this unit. For more details, see <Registering Bluetooth unit> (page 75).
- If you have registered two or more cell-phones, you need to select one of them. For more details, see <Bluetooth Unit Connection> (page 77).
- To use the Phone Book, it must be downloaded to this unit in advance. For details, see <Downloading the Phonebook> (page 51).

Downloading the Phonebook

Downloads the phonebook data from the cell-phone to this unit so that you can use the Phonebook of this unit.

1 By operating the cell-phone, send the phonebook data to this unit

2 By operating the cell-phone, start the hands-free connection

- For the cell-phones which support auto-download of phonebook:
  If the phonebook is not downloaded automatically for some reasons, follow the procedure above to download manually.
- For how to operate the cell-phone, refer to the Instruction Manual that comes with your cell-phone.
- Up to 1000 phone numbers can be registered for each registered cell-phone.
- Up to 32 digits can be registered for each phone number along with up to 50* characters representing a name.
  (* 50: Number of alphabetical characters. Fewer characters can be input depending on the type of characters.)
- Depending on the type of your cell-phone, the following restrictions are placed:
  - The phonebook data cannot be downloaded normally.
  - Characters in the Phonebook are garbled.
  - The phonebook data cannot be downloaded normally if it contains images. It may take several hours to a full day to download the phone book depending on the total image size.
- To cancel downloading of the phonebook data, operate the cell-phone.

Receiving a Call

[ ] Answering a Phone Call

[ ] Rejecting an Incoming Call

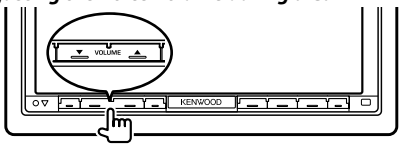
During a Call

[ ] Switches the voice output between phone and speaker.

[DTMF] Outputs dial tone. See <Controlling Tone-based Services> (page 55).

[ ] Disconnecting a call

Adjusting the Voice Volume during a Call



Call Waiting

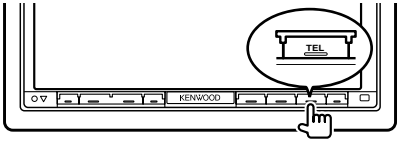
[ ] • Answering another incoming call with the current call suspended
• Switching between the current call and waiting call
Each touch of this button switches the calling party.

[ ] • Answering another incoming call after terminating the current call
• Answering the waiting call after terminating the current call

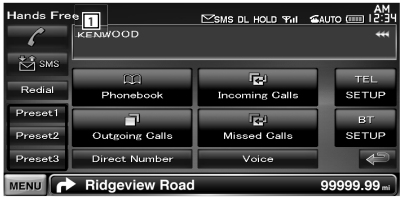
Making a Call

Displaying the control screen and using various functions.

1 Display the Hands-Free Control screen



2 Select a dialing method



1 Calls the displayed phone number. If you have registered a phone number in the Phonebook, the destination person name is displayed.

[ ] Calls the displayed phone number.

[Redial] Displays the previously called phone number.

[Preset1-3] Displays the preset phone number. For information on how to preset a phone number, see <Phone Number Preset> (page 58).

[Phonebook] Displays the Search for Phonebook screen. See <Calling by Phonebook> (page 53).

[Outgoing Calls] Displays the Outgoing Calls screen. See <Making a Call Using Call Records> (page 54).

[Incoming Calls] Displays the Incoming Calls screen. See <Making a Call Using Call Records> (page 54).

[Missed Calls] Displays the Missed Calls screen. See <Making a Call Using Call Records> (page 54).

[Direct Number] Displays the Dialing Display screen. See <Calling by Entering a Phone Number> (page 53).

[Voice] (DDX814/ DDX8034BT only)
Starts voice recognition.
See <Calling by Voice Recognition> (page 54).

[BT SETUP] Displays the Bluetooth SETUP screen. (page 75)

[TEL SETUP] Displays the Hands Free Setup screen. (page 55)

- While your car is moving, some functions are disabled due to safety reasons. The buttons associated with the disabled functions become ineffective if pressed.
- When the Hands-Free Control screen appears, the name of the connected cell-phone is displayed for 5 seconds.
- * Since the number of steps of the control unit is different from that of the cell-phone, the statuses displayed on the control unit may discord from those displayed on the cell-phone. No status is displayed if information about it cannot be obtained.
- Setting the cell-phone in the private mode can disable the hands-free function.

Calling by Phonebook

You can call a person using his/her phone number that you have registered in the Phonebook.

1 Display the Hands-Free Control screen

See <Making a call> (page 52).

2 Display the Phonebook screen

3 Select the name to call

1 Phonebook data list.

2 Displays the Phonebook beginning with the name whose first character you have touched.

[⏮] When ⏮ appears, the text display is scrolled by touching it.

4 Select the phone number to call

5 Make a call

- To use the Phonebook, it must have been downloaded from the cell-phone. For more details, see the instruction manual of your Bluetooth Unit and your cell-phone.
- Initials including no corresponding name will not be displayed.
- During search, a non-accent character such as "u" is searched for instead of an accent character such as "ü".
- For DNX9140 only:
  Some icons and buttons will not appear.

Calling by Entering a Phone Number

Makes a call by entering a phone number.

1 Display the Hands-Free Control screen

See <Making a call> (page 52).

2 Display the number input screen

3 Enter a phone number

1 Enters the desired phone number using the keypad.

[Clear] Clears the number.

4 Make a call

Press the green phone icon to dial the entered phone number.

- You can input up to 32 digits.

Making a Call Using Call Records

Calls by selecting a phone number from the outgoing, incoming, or missed calls list.

1 Display the Hands-Free Control screen

See <Making a call> (page 52).

2 Display the Outgoing Calls, Incoming Calls, or Missed Calls screen

3 Select from calls list

Example : Outgoing Calls screen

Calls the selected phone number.

4 Make a call

- The Outgoing Calls list screen, Incoming Calls list, or Missed Calls list screen shows the list of the calls originated from or received at this unit. They are not the ones stored in the cell-phone memory.

Calling by Voice Recognition (DDX814/ DDX8034BT)

Calls by recognizing the registered voice.

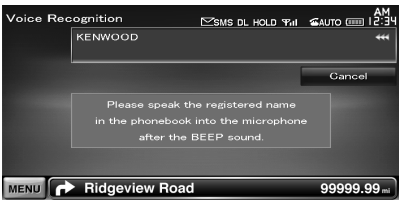
- In order to perform voice recognition, voice must be registered in the Phonebook data. See <Voice Registration> (page 56). Or, to perform voice recognition by Phone number category (Home, Office, Mobile etc.) of Phonebook data, a key word voice must be registered. See <Key Word Voice Registration> (page 57).

1 Display the Hands-Free Control screen

See <Making a call> (page 52).

2 Display the Voice Recognition screen

3 Say the name registered in the Phonebook

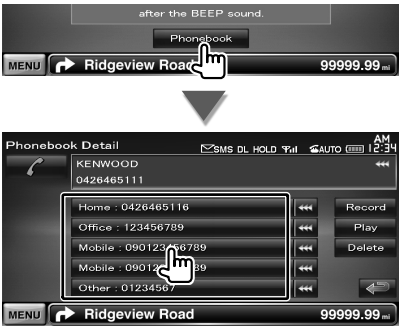


When a beep is heard, say the name within 2 seconds.

When a beep is heard, say the category within 2 seconds.

If there are more than one phone numbers registered under the same name, go to step 4.

4 Select a Phone number category



Selects the Phone number category.

5 Make a call

- A message is displayed if the voice is not recognized. Read the message for the further operation.

Controlling Tone-based Services

Uses tone base service using DTMF (Dual Tone Multi Frequency).

1 Display the Talking screen

See <Calling by Entering a Phone Number> (page 53).

2 Display the DTMF input screen

3 You can send tones during a call

Setting Up the Hands-Free Phone

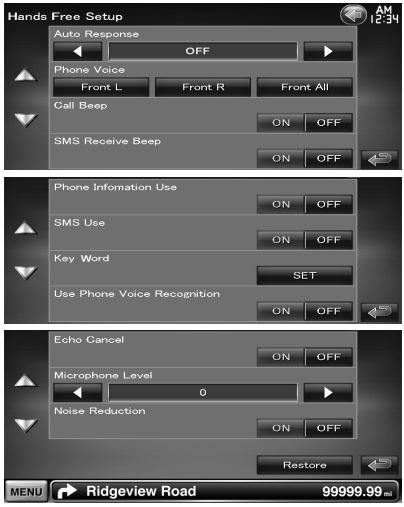
The Hands-Free system can be set as follows.

1 Display the Hands-Free Control screen

See <Making a call> (page 52).

2 Display the Hands Free Setup screen

3 Set each item



[Auto Response] Sets an automatic response time to pick-up an incoming call. (✎ "OFF")
"OFF": This function is disabled.
"0-99": Sets the incoming call ringing duration (in seconds).

[Phone Voice] Sets the phone call voice / ringing tone output position. (✎ "Front All")
"Front L": Outputs the phone call voice from the front left-hand side speaker.
"Front R": Outputs the phone call voice from the front right-hand side speaker.
"Front All": Outputs the phone call voice from both front speakers.

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[Call Beep] Sets the beep of the incoming call. (✎ "ON")
"ON": Beep is heard.
"OFF": Beep is canceled.

[SMS Receive Beep] Sets the beep of the incoming SMS. (✎ "ON")
"ON": Beep is heard.
"OFF": Beep is canceled.

[Phone Information Use] Sets whether to use cell-phone phonebook, outgoing calls list, incoming calls list and missed calls list. (✎ "ON")
"ON": Yes.
"OFF": No.

[SMS Use] Sets the SMS function. (✎ "ON")
"ON": Use SMS function.
"OFF": SMS not available.

[Key Word] (DDX814/ DDX8034BT only)
Registers the voice to select phone number category with voice recognition.
See <Key Word Voice Registration> (page 57).

[Use Phone Voice Recognition] (DDX814/ DDX8034BT only)
Sets whether to dial using the phone voice recognition function. (✎ "ON")

[Echo Cancel] Sets whether to disable the units echo cancelling function. (✎ "ON")

[Microphone Level] Adjusts the sensitivity of the microphone for a telephone call. (✎ "6")

[Noise Reduction] Turns the Noise Reduction function On or Off, which adjusts the level of the noise reduction and the quality of the resulting speech signal. (✎ "ON")

[Restore] Restores the [Echo Cancel], [Microphone Level], or [Noise Reduction] value to the initial value.

- Either the time interval for automatic answer set on this unit or the time interval set on the cell-phone, whichever is shorter, takes effect.
- Select the speaker which is further from the microphone in order to prevent howling or echoes.

Voice Registration (DDX814/ DDX8034BT)

Registers voice for voice recognition in Phonebook. Up to 35 voices can be recorded in one cell-phone.

1 Display the Phonebook Detail screen

Go through the procedure of <Calling by Phonebook> (page 53).

2 Select the name to register

1 Selects a name.

[Record] Registers the voice for voice recognition to the selected Phonebook. If there are already 35 voice tag registered in the same cell-phone, [Record] button is deactivated.

[Play] Plays the voice registered in the selected Phonebook data.

[Delete] Deletes the voice registered in the selected Phonebook data.
Touch to display the confirmation screen.
Touch [Yes] to delete or [No] to cancel.

3 Display the voice registration screen

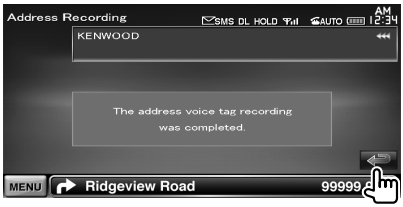
4 Say the name to register (1st try)

Say within 2 seconds after the Beep.

5 Say the name to register (2nd try)

Say within 2 seconds after the Beep.

6 End voice registration



- A message is displayed if the voice is not recognized. Read the message for the further operation.
- Repeat from 1st try if the voice is different from the 1st try.

Key Word Voice Registration (DDX814/ DDX8034BT)

Registers the voice to select the Phone number category by Voice Recognition.

1 Display the Hands Free Setup screen

See <Setting Up the Hands-Free Phone> (page 55).

2 Display the Key Word List screen

3 Select the Phone number category to register

1 Selects the Phone number category. "REC" turns on for data with voice for voice recognition already registered.

[Record] Registers voice for the selected Phone number category.

[Play] Plays voice registered for the selected Phone number category.

[Delete] Deletes voice registered for the selected Phone number category. Touch to display the confirmation screen. Touch [Yes] to delete or [No] to cancel.

4 Display voice registration screen

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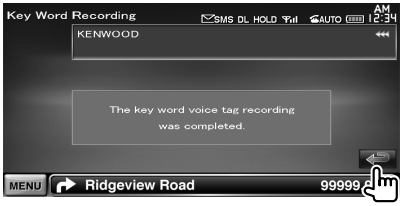
5 Say the phone category to register (1st try)

Say within 2 seconds after the Beep.

6 Say the phone category to register (2nd try)

Say within 2 seconds after the Beep.

7 End voice registration



- A message is displayed if the voice is not recognized. Read the message for the further operation.
- Repeat from 1st try if the voice is different from the 1st try.

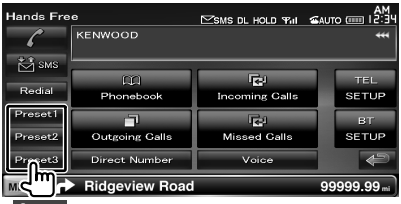
Phone Number Preset

Registers frequently used phone number to Hands Free control screen preset button.

1 Display the Hands-Free Control screen

See <Making a call> (page 52).

2 Select the Preset number to register



- If no Preset number is registered, pressing this button momentarily moves to the step 3.

3 Select the search destination of the number to register

[ ] Registers from Phonebook.
[ ] Registers from outgoing calls list.
[ ] Registers from incoming calls list.
[ ] Registers from missed calls list.

[Direct Number] Registers by entering phone numbers.

[Voice] (DDX814/ DDX8034BT only) Registers voice for voice recognition to preset number.

[Memory] Registers the currently displayed phone number.

[Delete] Deletes the currently displayed phone number. Touch to display the confirmation screen. Touch [Yes] to delete or [No] to cancel.

4 Search phone number to register with each function

5 Register phone number

SMS (Short Message Service)

Uses SMS function.

1 Display the Hands-Free Control screen

See <Making a call> (page 52).

2 Display the SMS Select screen

3 Select a function

[ ] Displays the SMS create menu screen.

[ ] Displays received message list.

[ ] Displays sent message list.

[ ] Displays the SMS Create Menu screen. The button will be active when any message has been created after power-on.

[Download] Retrieves SMS messages from the cell-phone.

4 Select a message to display

1 Calls the number in the selected message.

[DISP] Displays the selected message.

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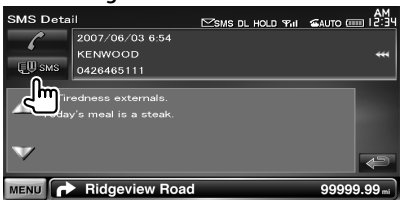
SMS Message screen



Creates a new message for the selected message.

Create a message

1 Enter phone number / Select contact

[📖] Select a contact from the phonebook.

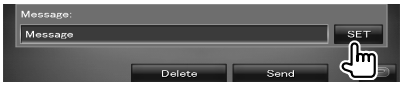
[Direct Number] Enter the phone number.

[SET] Display the Create SMS Message screen.

[Send] Sends the message.

[Delete] Deletes the Draft message.
Touching the screen displays a confirmation message. Touch [Yes]. To cancel clearing, touch [No].

2 Display the Create SMS Message screen



3 Create a message

1 Enters characters.

[◄], [►] Moves the cursor.

[▲], [▼] Scrolls up or down the character button display.

[QWE]/ [ABC] Sets the key layout of the character buttons.
ABC : Alphabetical key layout.
QWE : Qwerty key layout.

[Clear] Erases the entered character.
If touched more than 1 second, all the input characters are erased.

[Space] Enters a space.

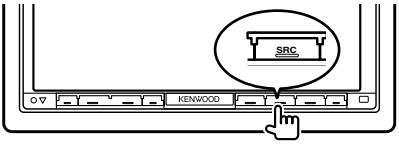
[SET] Saves the message and returns to the Create SMS Menu screen.
Only one draft message can be saved / retained in memory at any one time.

4 Send the message

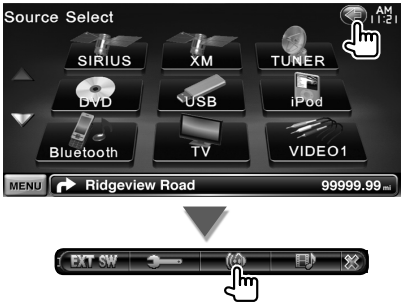
Audio Control Menu

Displays the Audio Control menu to set the sound effect function of this unit.

1 Display the Source Select Screen



2 Display the Audio Control menu



In this manual, the above selection is indicated as:
Touch [ ] **>** [ ].

3 Select the Audio Control item

Item	Page
[Audio Control]	61
[Equalizer]	62
└ [EQ]	62
[Zone Control]	63
[SRS WOW]	63
[Surround Control]	64
[Position]	65

Audio Control

You can adjust the front/rear and right/left audio balance.

1 Display the Audio Control screen

Touch [ ] **>** [ ] **>** [Audio Control]. (page 61)

2 Set each item

1 Adjusts the front/back and left/right balance of the volume by touching the Adjust screen.

[◄], [►] Adjusts the right and left volume balance.

[▲], [▼] Adjusts the front and rear volume balance.

[VOL.Offset] Finely adjust the volume of the current source to minimize the difference in volume between different sources.

- If you have increased the volume first, then reduced the volume using the "VOL. Offset", the sound generated if you suddenly switch to another source may be extremely loud.

[Subwoofer Level] Adjusts the subwoofer volume.

[Stream Information] Displays the present source information.
The stream (Dolby Digital, dts, Linear PCM, MPEG, MP3, WMA or AAC) is displayed.

Equalizer Control

You can set up the equalizer.

1 Display the Equalizer screen

Touch [ ] > [ ] > [Equalizer]. (page 61)

2 Set each item

[SystemQ] Selects an equalizer curve type. You can select any of the following equalizer curves.
"Natural"/ "Rock"/ "Pops"/ "Easy"/ "Top40"/ "Jazz"/ "Game"/ "iPod"/ "User"

- "User":
  Your own Graphic equalizer curve can be created. See <Graphic Equalizer Setup> (page 62).
- When "iPod" is selected, the [EQ] button is deactivated. "iPod" uses its equalizer function.

[EQ] Displays the Graphic Equalizer setup screen. (page 62)

Graphic Equalizer Setup

You can Manually set the equalizer curve.

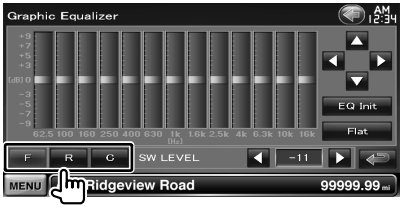
1 Display the Equalizer screen

Touch [ ] > [ ] > [Equalizer]. (page 61)

2 Display the Graphic Equalizer screen

- When "iPod" is selected in <Equalizer Control>, the [EQ] button is deactivated. "iPod" uses its equalizer function.

3 Select the channel to be adjusted



[F] Front speaker

[R] Rear speaker

[C] Center speaker

4 Set the Graphic Equalizer

1 Gain level can be adjusted by touching the each frequency bar.

[◄], [►] Sets a frequency.

[▲], [▼] Sets a gain level.

[EQ Init] Returns to the previous level which the gain level is adjusted.

[Flat] Tone curve becomes flat.

[SW LEVEL] Adjusts the subwoofer volume.

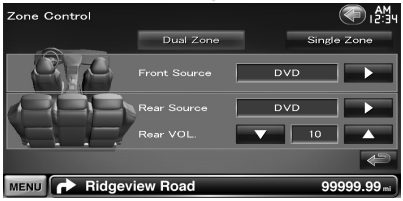
Zone Control

You can set the front and rear audio source.

1 Display the Zone Control screen

Touch [ ] > [ ] > [Zone Control]. (page 61)

2 Set the Zone Control



[Single Zone] Turns off the dual zone.

[Front Source] Sets the front audio source.

[Rear Source] Sets the rear audio source.

- When the rear speaker sound is switched, the audio source that is output at the AV OUTPUT terminal is also switched to the same source.

[Rear VOL.] Adjusts the volume of the rear channel.

- There are following limitations when zone function is set to "ON".
  - There is no output from the subwoofer and the center speaker.
  - <Equalizer Control> (page 62), <SRS WOW Control> (page 63), <Surround Control> (page 64), <Position> (page 65), <DSP Bypass Control> (page 80), <Speaker Setup> (page 80), <Car Type (DTA) Setup> (page 82), and <Channel Level> (page 83) are not available.

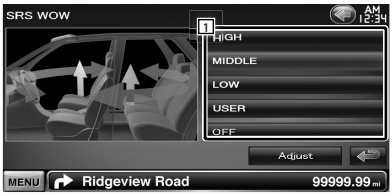
SRS WOW Control

You can set up the SRS WOW effect.

1 Display the SRS WOW Control screen

Touch [ ] > [ ] > [SRS WOW]. (page 61)

2 Set the SRS WOW Control

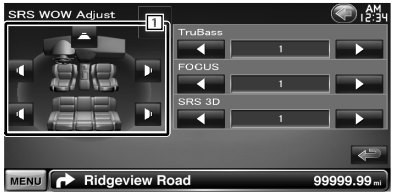


1 Sets a SRS WOW.
You can select any of the following sound fields.
"OFF"/ "LOW"/ "MIDDLE"/ "HIGH"/ "USER"

SRS WOW User Setup

1 Display the Audio SRS Adjust screen

2 Adjust the Audio SRS



1 Selects a speaker to be set (Front, Rear or Center speaker).

[TruBass] Sets the TruBass effect level.

[FOCUS] Sets the FOCUS effect level.

[SRS 3D] Sets the SRS 3D effect level.

- FOCUS: Adjusts the vertical position of the speaker and sound image by virtual adjustment.
- TruBass: Assists the playback for the super bass sound.
- SRS 3D: Makes a natural 3D sound field.
- SRS WOW control is not available in tuner source, TV source and HD Radio source.

Surround Control

You can set up the sound field.

1 Display the Surround Control screen

Touch [ ] > [ ] > [Surround Control]. (page 61)

2 Set the Surround Control

1 Sets a sound field.
You can select any of the following sound fields.
"Bypass"/ "Bypass+Center"/ "Dolby PLII Movie"/ "Dolby PLII Music"/ "Dolby PLII Matrix"

[Stream Information] Displays the present source information.
The stream (Dolby Digital, dts, Linear PCM, MPEG, SDDS, AAC or MP3/WMA), input channels (front or rear channels), and sampling frequency are displayed.

- When you have selected the TV or TUNER source and when you set the Dolby PL, we recommend you to select the "Dolby PLII Matrix" mode. If you select another Dolby PLII mode, the sound is NOT output from rear speakers when you receive monaural broadcasting sounds.
- Surround control can be set for each source.

Dolby Pro Logic II Music Adjustment

1 Display the Dolby Pro Logic II Music Adjust screen

2 Adjust the sound field

[Dimension Control] Sets the surround position by adjusting the front and rear volume balance.

[Center Width Control] Sets the vocal image position by adjusting the right and left vocal volume level.

[Panorama Mode] Turns the Panorama mode On or Off.

- You cannot use the <Dolby Pro Logic II Music Adjustment> during playback of a Multi-channel source.

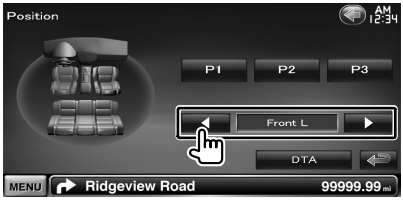
Position

You can adjust the sound effects according to your listening position.

1 Display the Position screen

Touch [ ] > [ ] > [Position]. (page 61)

2 Set the Position Control



[P1] - [P3] Stores the present adjustment setup in memory, or calls it from memory.

To store your adjustment in memory:

Continue to touch [P1] to [P3] more than 2 seconds.

To call your adjustment from memory:

Touch [P1] to [P3] of your adjustment you wish to call from memory.

[◄], [►] Sets a listening position.

You can select any of "Front R" (Right front), "Front L" (Left front), "Front All" (All front), and "All" (All) positions.

[DTA] Displays the Position DTA (Digital Time Alignment) screen.

3 Exit Position Control

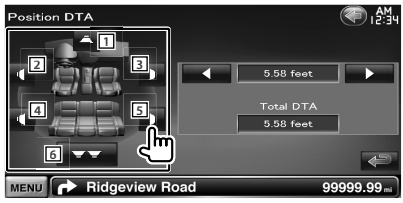
- The final distance is adjusted to the total of Car Type Set Up value (page 82) and Position Setup (both Position and Position DTA) value.
- If you change the Car Type Set Up value (page 82), the position is set to "All".
- Only the adjusted distance of position setup (Position and Position DTA values) is stored in memory. Therefore, the final adjustment distance changes if you change the Car Type Set Up value (page 82).

Position DTA Control

You can fine-adjust your listening position.

1 Display the Position DTA screen

2 Select a speaker you wish to adjust



1 Center speaker
2 Left front speaker
3 Right front speaker
4 Left rear speaker
5 Right rear speaker
6 Subwoofer

[◄], [►] Finely adjusts the value set with the Position function.

[Total DTA] Indicates setup distance. The adjusted distance (Position and Position DTA values), and the total of the distance adjusted by Car Type Set Up (page 82) and the adjustment distance for position setup are indicated.

3 Finely adjust the distance

Finely adjust the value set with the Position function.

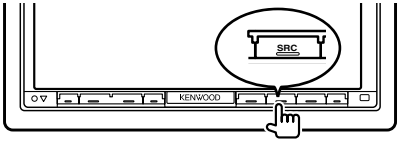
Setup Menu

You can set up various receiver parameters.

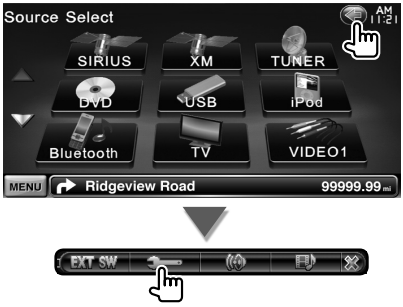
How to Display SETUP Menu Screen

Displays the Setup menu to set various functions.

1 Display the Source Select Screen

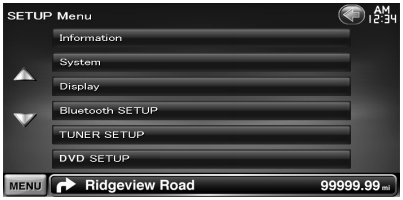


2 Display the Setup Menu Screen



In this manual, the above selection is indicated as:
Touch [ ] > [ ].

3 Select the setup item



[▲], [▼] Scrolls the setup menu.

- [AV-IN SETUP], [Navigation] and [Audio SETUP] options can be locked. The key mark ( ) is displayed in reverse video for the locked option. See <Setup Memory> (page 72).

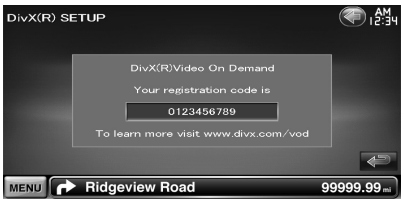
Item	Page
[Information]	
[DivX(R)]	67
[Software]	67
[System]	
[User Interface]	68
[Touch]	69
[Clock]	69
[Security]	70
[Angle]	71
[EXT SW]	71
[SETUP Memory]	72
[Display]	
[Background]	73
[Color]	74
[Screen Adjust]	75
[Bluetooth SETUP]	757
[SIRIUS SETUP]	87
[DVD SETUP]	84
[iPod SETUP]	87
[USB SETUP]	86
[TV SETUP]	90
[AV-IN SETUP]	78
[Navigation]	79
[Audio SETUP]	80
[Speaker Select]	80
[Car Type]	82
[Channel Level]	83
[AV Interface]	78

DivX Setup

Checks the registration code. This code is needed when making a disc which has DRM (Digital Rights Management).

1 Display the DivX Setup screen

Touch [ ] > [ ] > [Information] > [DivX]. (page 66)



Displays the registration code.

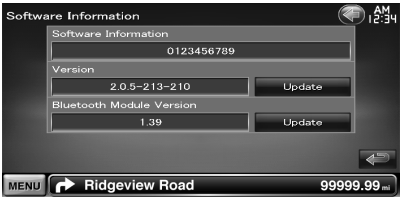
- When downloading a DivX VOD file controlled by DRM, register the code appeared on the screen such as the one above. Otherwise the file may not be able to play with this unit. Remaining number of viewing is displayed when playing a DivX VOD file with the viewing restriction. When the remaining number of viewing reached 0, a warning message appears and the file cannot be played.

Software Information

Checks the software version of this unit.

1 Display the Software Information screen

Touch [ ] > [ ] > [Information] > [Software]. (page 66)



Displays the software version.

- For how to update the software, refer to the relevant update procedure manual which comes with the software.

User Interface

You can setup user interface parameters.

1 Display the User Interface screen

Touch [ ] > [ ] > [System] > [User Interface]. (page 66)

2 Set each item

[Beep] Turns the key touch tone On or Off. (✓ "ON")

[Remote Sensor] Selects a remote control signal. (✓ "ON")
When turned "OFF", the remote control of TV reception is rejected.

[Language] Select the language used for the control screen and setting items. (page 68)

[Scroll] Allows scrolling of text display on the Source Control screen. (✓ "Auto")
"Auto": Scrolls the screen automatically.
"Manual": Allows you to scroll the screen manually.

[Marker] Sets whether to display the target when touching the panel. (✓ "ON")

[Drawer Close] Sets whether to close the function bar automatically. (✓ "Auto")

[AUD Key Longer than 1 Second] Sets the function of the [AUD] button. (page 10) (✓ "R-CAM")
"V.OFF" : Press the [AUD] button for more than 1 second to turn the display off.
"R-CAM" : Press the [AUD] button for more than 1 second to switch to rear view.

[Animation] Sets whether to display animation. (✓ "ON")

Language Setting

You can select the display language for the control screen and audio file tags.

1 Display the User Interface screen

Touch [ ] > [ ] > [System] > [User Interface]. (page 66)

2 Display the Language Setting screen

3 Select a language

[ASR] Selects whether to use the voice control function. (page 47) (✓ "Disabled") (DNX9140 only)
"Enabled": Voice control is activated.
"Disabled": Voice control is deactivated.

[Language Select] Selects a language. (✓ "American English")

[Enter] Determines the selected language.

[Cancel] Cancels the selected language.

When [ASR] is set to "Disabled" (DNX9140 only)

[GUI Language Select] Selects the display language used for the control screen and so forth. (✓ "American English")

[Navigation Language Select] Selects the language used for navigation. (✓ "American English")

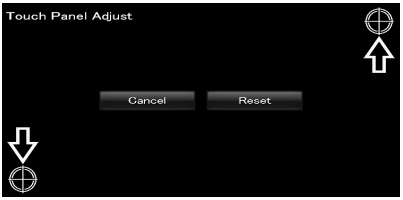
Touch Panel Adjustment

You can adjust the touch panel operations.

1 Display the Touch panel Adjustment screen

Touch [ ] > [ ] > [System] > [Touch]. (page 66)

2 Adjust the Touch panel



Follow the instruction on the screen and touch the center of ⊕.

[Cancel] Cancels the adjustment and returns to the Touch Panel Adjust screen.

[Reset] Resets to the initial status.

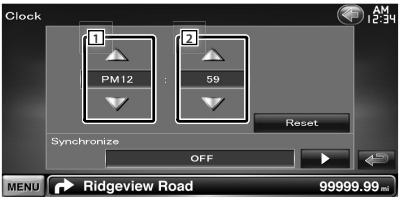
Clock Setup

You can adjust the clock time.

1 Display the Clock Setup screen

Touch [ ] > [ ] > [System] > [Clock]. (page 66)

2 Setup the Clock



1 Adjusts hours.

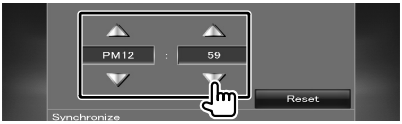
2 Adjusts minutes.

[Reset] Sets "00" minute.

Setup examples: 3:00 – 3:29 ➡ 3:00
3:30 – 3:59 ➡ 4:00

[Synchronize] Sets the clock time in synchronization with the time data sent from the navigation system or the RDS station.
(✎ DNX9140: "Navigation", DDX814/ DDX8034BT: "OFF")
"OFF"/ "RDS"*1/ "Navigation"
When the synchronized mode is set, the clock cannot be adjusted manually.
(*1 North American sales area only)

3 Adjust the clock time



Security Setup

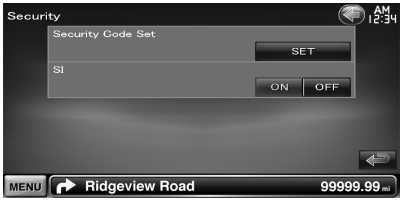
You can set a security code to protect your receiver system against theft.

- When the Security Code function is activated, the code cannot be changed and the function cannot be released. Note the Security Code can be set as the 4 digit number of your choice.

1 Display the Security screen

Touch [ ] > [ ] > [System] > [Security]. (page 66)

2 Setup the SI (Security Indicator)



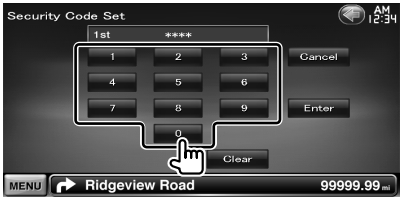
[Security Code Set] Displays the Security code input screen.

[SI] Turns the SI function on or off.
If turned "ON", the SI indicator on the front panel flashes when the vehicle ignition is off. ("ON")

3 Start Security Code setup

- If you have already completed the code registration, [CLR] is displayed.

4 Enter a security Code



Input four-digit number.

5 Register your security code

6 Reenter the security code

Reenter the same security code as that you have entered in Step 4 for confirmation.

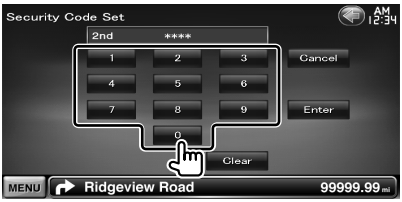
- If you enter a different security code, the screen returns to Step 4 (for the first code entry).

7 Register the security code again

Now, your security code is registered.

If you have pressed the Reset button or if you have disconnected the Receiver from battery...

1 Enter the correct security code



You must enter the same security code as that you have entered in Step 4.

2 Register your security code

Now, you can use your Receiver.

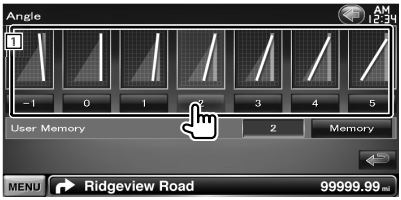
Monitor Angle Control

You can adjust the position of the monitor.

1 Display the Angle Setup screen

Touch [ ] > [ ] > [System] > [Angle]. (page 66)

2 Set the Monitor Angle



1 Sets the Monitor angle.

[Memory] Stores the current monitor angle as the angle during power off.

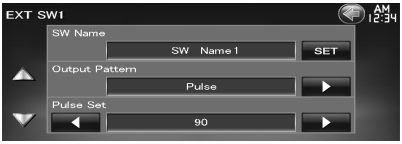
EXT SW Setup

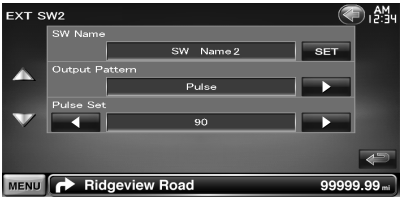
Setting up power specification of the external device for which the power is controlled from this unit.

1 Display the Angle Setup screen

Touch [ ] > [ ] > [System] > [EXT SW]. (page 66)

2 Perform EXT SW Setup



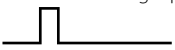


[SW Name] Sets the name of the external device. See <Character Entry> (page 48) for information on how to enter the name.

[Output Pattern] Sets the power signal output mode.

(EXT SW1: Pulse, EXT SW2: Level)

"Pulse": Generates a single power signal pulse.



"Level": Continues output of high power signal.

Sets to turn output on/off each time the button on the EXT SW Control screen is touched.

[Pulse Set] Sets the Pulse signal output time. Outputs 500ms when "1" is set. Increases by 200ms with each step. Up to 100 steps can be set.

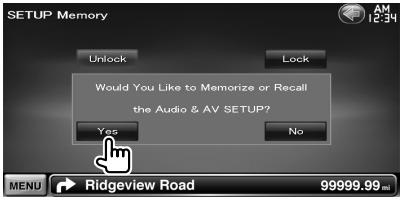
Setup Memory

Audio Control, AV-IN SETUP, AV Interface, Navigation, and Audio SETUP settings can be memorized. The memorized settings can be recalled at any time. For example, even when the settings are cleared due to replacement of the battery, the settings can be restored.

1 Display the SETUP Memory screen

Touch [ ] > [ ] > [System] > [SETUP Memory]. (page 66)

2 Start Setup Memory

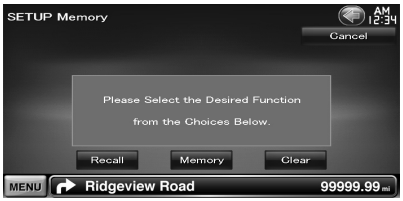


[Lock] Locks the AV-IN SETUP, Navigation, and Audio SETUP settings. When [Lock] is selected, you cannot change the AV-IN SETUP, Navigation, and Audio SETUP settings.

[Yes] Memorizes or recalls the settings.

[No] To cancel the function, touch [No]. To cancel memorization, touch [No].
The SETUP Menu screen appears again.

3 Select a desired function



[Recall] Recalls the memorized settings.

[Memory] Memorizes the current Audio Setup and AV Interface settings.

[Clear] Clears the currently memorized settings.

4 Memorize or recall the settings

When memorizing the Audio Setup and AV Interface settings:

If settings have already been memorized, a confirmation message appears. Touch [Yes]. To cancel memorization, touch [No].

When recalling the memorized settings:

Touching the screen displays a confirmation message. Touch [Yes]. To cancel recalling, touch [No].

When clearing the currently memorized settings:

Touching the screen displays a confirmation message. Touch [Yes]. To cancel clearing, touch [No].

5 Quit memorization/recalling of settings

Entering Background

Loads a image for background.

1 Connect the device which has the image to load

2 Display the Background screen

Touch [ ] > [ ] > [Display] > [Background]. (page 66)

3 Display the Background Memory screen

[Change] Selects a image for background.

[Delete] Deletes the background image.
Touching the screen displays a confirmation message. Touch [Yes]. To cancel clearing, touch [No].

4 Select a medium

5 Select the image to load

1 Lists the files.

[ ] When appears, the text display is scrolled by touching it.

[ROOT] Moves to the top hierarchy level.

[UP] Moves up a hierarchy level.

6 Load the image

1 Rotates the image.

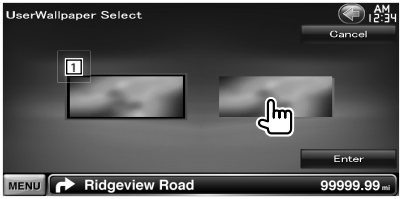
- See <About Picture files> (page 8) for readable image specifications.
- This operation is not possible when USB is selected as the source.

Background Change

Selects a image for background.

1 Select Background Change screen

2 Select a image for background



1 Returns to the initial background.

3 Set the image as the background

Panel Color Coordinate

Sets the button illumination color.

1 Display the Color screen

Touch [ ] > [ ] > [Display] > [Color]. (page 66)

2 Display the Panel Color Coordinate screen

[Initialize] Initialization resets the settings made using the Panel Color to the default settings made at the factory.

[Panel Color Scan] When set to "ON", the illumination color of the screen and buttons changes one after another.

3 Select a color

1 Sets to the touched color.

[Adjust] Sets and registers favorite color to the preset buttons ([P1] – [P3]).

To register your original color

1 Start the RGB coordinate

2 Adjust each color value

1 Selects a preset number to register.

[Red Value] Adjusts the Red value.

[Green Value] Adjusts the Green value.

[Blue Value] Adjusts the Blue value.

3 Select a Preset number to register

Adjusted color is registered to the selected Preset button.

4 Complete the color coordination

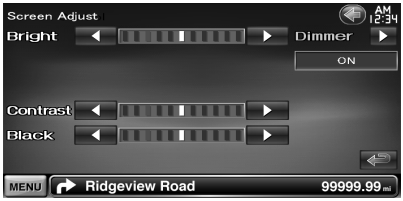
Screen Adjustment

You can adjust the screen mode of the monitor.

1 Display the Screen Adjust screen

Touch [ ] > [ ] > [Display] > [Screen Adjust]. (page 66)

2 Set each item



[Bright] Brightness Control

[Contrast] Contrast Control

[Black] Black Level Adjustment

[Dimmer] Dimmer Mode Setup

"ON": The display dims.

"OFF": The display doesn't dim.

"SYNC": Turning the Dimmer function On or Off when the vehicle light control switch is turned On or Off.

"NAV-SYNC": Turning the Dimmer function On or Off according to the Navigation Day/Night display setting. (DNX9140 only)

- In this Screen Adjust screen, you can perform setups for the menu screen. Setups for videos such as DVD can be performed on the <Screen Control> (page 50).

Registering Bluetooth Unit

Registers the Bluetooth unit to be connected.

1 Display the Bluetooth Setup screen

Touch [ ] > [ ] > [Bluetooth SETUP]. (page 66)

2 Display the Connect Device List screen

3 Search for a Bluetooth unit

1 Displays the registered Bluetooth units. The busy service becomes active. The available service becomes inactive.

[⏮] When ⏮ appears, the text display is scrolled by touching it.

[Search] Searches for a Bluetooth unit.

[SP DEV] Registers a Bluetooth unit that cannot be registered by normal register (pairing) operation.

- A new device cannot be registered if there are already 5 Bluetooth units registered. Delete unnecessary registration. See <Bluetooth Unit Connection> (page 77).

Next page ►

4 Select the Bluetooth unit to register

1 Displays the searched Bluetooth unit.

[Search] Searches for a Bluetooth unit.

[Cancel] Cancels searching of Bluetooth unit.

5 Enter PIN code

1 Enters a code number using the keypad.

[Enter] Confirms the entered PIN code. Enter the PIN code specified for the Bluetooth unit you are registering.
This button will not be active until at least four PIN code digits have been entered.

[Cancel] Cancels registration of PIN code.

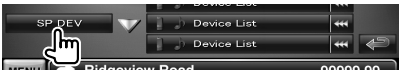
[Clear] Clears the code number.

- You can also register from the Bluetooth unit side. For the PIN code necessary for registration, see <Registering Bluetooth Unit PIN Code> (page 77).
- If the error message appears even though the PIN code is correct, try <Registering Special Bluetooth Unit>.

Registering Special Bluetooth Unit

Registers Special Bluetooth unit, that resulted in error by normal registration method, by selecting from the listed models.

1 Display the Special Device List screen



2 Select a model name

Displays the Bluetooth unit name that can be registered.

3 Confirm whether to register

- Only models in Bluetooth unit name list can be registered.

4 Go through the procedure of <Registering Bluetooth Unit> and complete the registration (pairing)

Registering Bluetooth Unit PIN Code

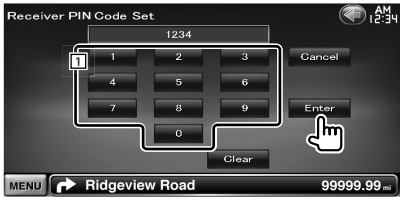
Sets the PIN code of the Bluetooth unit to enter when registering (pairing) from the cell-phone or audio player side.

1 Display the Bluetooth Setup screen

Touch [ ] > [ ] > [Bluetooth SETUP]. (page 66)

2 Display the Receiver PIN Code screen

3 Enter PIN code



1 Enters a code number using the keypad.

[Cancel] Cancels registration of PIN code.

[Enter] Registers the entered PIN code.

[Clear] Clears the code number.

Bluetooth Unit Connection

Selects the Bluetooth unit to connect.

1 Display the Bluetooth Setup screen

Touch [ ] > [ ] > [Bluetooth SETUP]. (page 66)

2 Display the Connect Device List screen

3 Select a registered Bluetooth unit

4 Select the service to use

[TEL (HFP)] Connects/disconnects cell-phone to use for Hands Free.

[Audio (A2DP)] Connects/disconnects Audio player to use for Bluetooth Audio.

[Remove] Deletes registration (pairing). Touching the screen displays a confirmation message. Touch [Yes]. To cancel clearing, touch [No].

AV Input Setup

You can set AV input parameters.

1 Display the AV-IN Setup screen

Touch [ ] > [ ] > [AV-IN SETUP]. (page 66)

2 Set each item

[AV-IN2 Interruption] Sets an image display of the system that is connected via the AV INPUT2 port. ("OFF")

"OFF": When the image source is switched, an image entered via the AV INPUT2 port is displayed.

"ON": When an image signal is entered via the AV INPUT2 port, this image is displayed.

[On Screen AV-IN] Sets an on-screen display of the AV-IN playback screen. ("Auto")

"Auto": Information is displayed for 5 seconds when updated.

"Manual": Information is displayed when you touch on the screen.

[iPod AV Interface Use] Sets the terminal to which the iPod is connected to. ("iPod")

[AV-IN1 Name], [AV-IN2 Name], [AV-IN3 Name] Sets a name to be displayed when you select a system that is connected via the AV INPUT port. ("VIDEO")

- [iPod AV Interface Use]
  This item can be set when in STANDBY source and also the iPod is unconnected.
- [AV-IN Name]
  Two AV-IN names are displayed when "iPod" is selected in [iPod AV Interface Use] and three are displayed when not selected.

AV Interface Setup

You can set audio and visual (AV) interface parameters.

1 Display the AV Interface screen

Touch [ ] > [ ] > [AV Interface]. (page 66)

2 Set each item

[AV-OUT] Selects an AV source to be output at the AV OUTPUT port. ("AV-IN1")

[R-CAM Interrupt] Sets a method to switch to the rear view camera video display. ("OFF")

"ON": Switches to the rear camera video display when "Reverse" gear is engaged.

"OFF": Switches to the rear camera video display when "Reverse" gear is engaged, and then pressing the [AUD] button for more than 1 second.
The function of the [AUD] button needs to be set to "R-CAM" beforehand. See <User Interface> (page 68).

[R-CAM Mirror] You can flip the left and right of the rear view camera video display. Set to "ON" and the rear view will be displayed left and right in mirror image on the screen. ("OFF")

- When in DVD source, "AV-OUT" cannot be set to USB. When in USB source, "AV-OUT" cannot be set to DVD.

Navigation Setup

You can set Navigation parameters.

1 Display the Navigation Setup screen

Touch [ ] > [ ] > [Navigation]. (page 66)

2 Set each item

[NAV Interrupt Speaker] Selects speakers used for voice guidance of the navigation system.
(✎ "Front All")
"Front L": Uses the front left side speaker for voice guidance.
"Front R": Uses the front right side speaker for voice guidance.
"Front All": Uses both front speakers for voice guidance.

[NAV Voice Volume] Adjusts the volume for voice guidance of the navigation system.
(✎ DNX9140: "25", DDX814/ DDX8034BT: "21")

[Line Mute] Mutes the volume during voice guidance of the navigation system.
(✎ "ON")
When turned "ON", the volume level drops for voice guidance.

[Navigation Input] Selects a navigation system connection. (✎ "RGB") (DDX814/ DDX8034BT only)
"RGB": Allows the Kenwood's Navigation System to connect via its interface cable.
"AV-IN": Allows a third-party navigation system to connect via the AV INPUT1 port.
"OFF": Must be used if no navigation system is connected. (The navigation display is cancelled when the AV source is switched.)

[On Screen Navigation] Sets an on-screen display of the navigation screen. (✎ "OFF") (DDX814/ DDX8034BT only)
"Auto": Information is displayed for 5 seconds when updated.
"OFF": Information is not displayed.

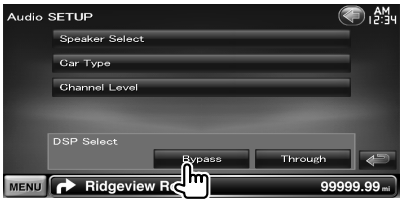
DSP Bypass Control

Temporarily bypassing DSP (Digital Signal Processor) System.

1 Display the Audio SETUP screen

Touch [ ] > [ ] > [Audio SETUP]. (page 66)

2 Set the DSP Select



[Bypass] There is no effect by DSP.

[Through] There is an effect by DSP.

- When the mode is set to [Bypass], DSP System cannot be adjusted.

Speaker Setup

You can select a speaker type and its size to get the best sound effects.

1 Display the Speaker Select screen

Touch [ ] > [ ] > [Audio SETUP] > [Speaker Select]. (page 66)

2 Select a speaker you wish to adjust

When the speaker type and size are set, the speaker crossover network and equalizer curve are set automatically.

1 Center speaker

2 Front speaker

3 Rear speaker

4 Subwoofer

[Tweeter] You can set the tweeter when you are selecting front speakers.
If you are using a tweeter together with the front speakers, set the tweeter to "ON". In the "ON" position, the Equalizer is adjusted to its best position.

[X'over] Displays the Speaker Crossover Setup screen.
You can adjust the crossover setup that was set automatically when you selected the speaker type.

3 Select a speaker type

You can select any of the following speaker types.

"Center" NONE, 2-3/4x1-9/16 inch, 2 inch, 4 inch, 5 inch, 6-1/2 inch over

"Front" OEM, 4 inch, 5 inch, 6-1/2 inch, 6-3/4 inch, 7 inch, 4x6, 5x7, 6x8, 6x9, 7x10

"Rear" NONE, OEM, 4 inch, 5 inch, 6-1/2 inch, 6-3/4 inch, 7 inch, 4x6, 5x7, 6x8, 6x9, 7x10

"Subwoofer" NONE, 6 1/2 inch, 8 inch, 10 inch, 12 inch, 15 inch over

- Select "NONE" if you have no speakers.
- If you set the center speaker to "NONE" even in a short time when you are setting the Surround Control (page 64) to "Bypass+Center", the Surround Control is set to "Bypass" automatically.
- If you set the center and rear speakers to "NONE" when you are setting the Surround Control (page 64) to "Dolby PL II", the Surround Control is set to "Bypass" automatically.

Crossover Network Setup

You can set a crossover frequency of speakers.

1 Select the speaker to set the crossover

1 Sets the High Pass Filter of the center speaker.

2 Sets the High Pass Filter of the front speaker.

3 Sets the High Pass Filter of the rear speaker.

4 Sets the Low Pass Filter of the sub woofer.

2 Display the Crossover setup screen

3 Set the crossover

[Phase] Sets the phase of subwoofer output. The phase is reversed 180 degrees when set to "Reverse".
Sets the sub woofer phase. (Only when "Subwoofer" is set to "ON" in Audio Setup)

[HPF FREQ] High Pass Filter adjustment. (When front, center or rear speaker is selected on Speaker Select screen)

[LPF FREQ] Low Pass Filter adjustment. (When Subwoofer is selected on Speaker Select screen)

[Slope] Sets a crossover slope.

Car Type (DTA) Setup

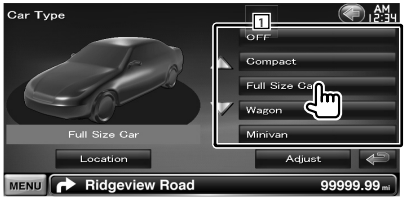
You can setup the car type and speaker network, etc.

1 Display the Car Type Setup screen

Touch [ ] > [ ] > [Audio SETUP] > [Car Type]. (page 66)

2 Setup the Car Type

If your car type is selected, the Digital Time Alignment and Equalizer is set automatically (for timing adjustment of sound output for each channel) to have the highest surround effects.



1 Sets up the car type you use together with this unit.
You can choose according to type of your car.
"OFF", "Compact", "Full Size Car", "Wagon", "Minivan", "SUV", "Minivan (Long)"

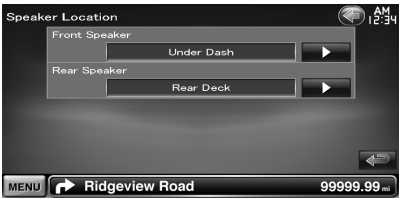
[Location] Sets the locations of the speakers.

[Adjust] Displays the Car Type Adjust screen.
You can adjust the digital time alignment that was set automatically when you selected the car type.

Speaker Location setup

1 Display the Speaker Location Setup screen

2 Set the speaker locations



[Front Speaker] Sets the location of the front speaker.
"Door", "On Dash", "Under Dash"

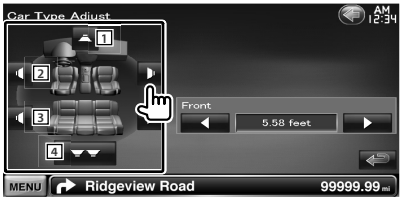
[Rear Speaker] Sets the location of the rear speaker.
"Door", "Rear Deck"
"2nd Row", "3rd Row" (Minivan, Minivan (Long))

Car Type Adjust

You can manually set the sound output timing of each channel.

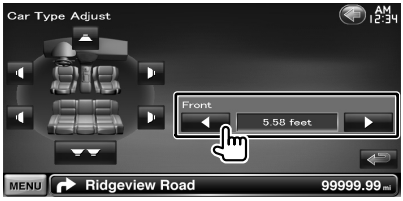
1 Display the Car Type Adjust screen

2 Select a speaker you wish to adjust



1 Center speaker
2 Front speaker
3 Rear speaker
4 Subwoofer

3 Set a delay time



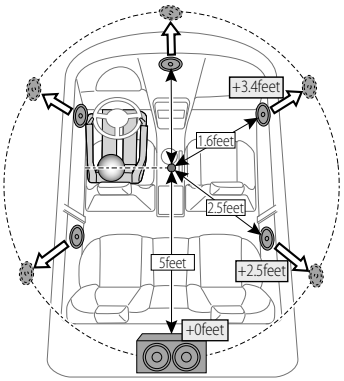
Make fine adjustment of the delay time of the speaker output specified at <Setup the Car Type> to have a more suitable environment for your vehicle.

The settings of the delay time are automatically identified and compensated by specifying the distances of each speaker from the center of the vehicle interior.

1 Set the front and rear positions and the height of the reference point to the position of the ears of the person sitting in the front seat, and set the right and left positions to the center of the vehicle interior.

2 Measure the distances from the reference point to the speakers.

3 Calculate the distance difference in accordance with the farthest speaker.



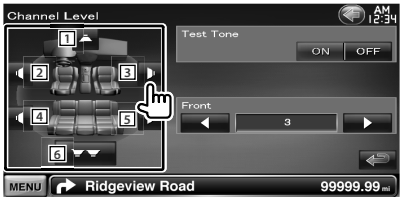
Channel Level

You can set the volume at each setup position.

1 Display the Car Type Setup screen

Touch [ ] > [ ] > [Audio SETUP] > [Channel Level]. (page 66)

2 Select a speaker you wish to adjust



1 Center speaker
2 Left front speaker
3 Right front speaker
4 Left rear speaker
5 Right rear speaker
6 Subwoofer

[Test Tone] Starts or stops test signal tone output for setup check.

3 Adjust the volume

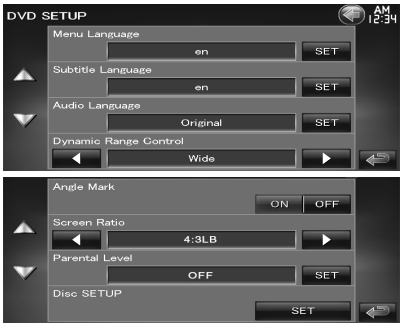
DVD Setup

You can set up the DVD play.

1 Display the DVD Setup screen

Touch [ ] > [ ] > [DVD SETUP]. (page 66)

2 Set each item



[Menu Language] Selects a disc menu language.*1
(See <DVD Language Setup>, page 84)

[Subtitle Language] Selects a subtitle language.*1
(See <DVD Language Setup>, page 84)

[Audio Language] Selects an audio language.*1
(See <DVD Language Setup>, page 84)

[Dynamic Range Control] Sets the dynamic range.*1 ("Dialog")
The dynamic range is reduced by changing from "Wide" to "Normal" and from "Normal" to "Dialog". "Dialog" makes the total sound volume becomes larger as compared with "Wide" and "Normal", allowing you to listen to the movie's dialog more clearly.
This is effective only when you are using a Dolby Digital software.
The operation is available during the play stop mode.

[Angle Mark] Sets an angle mark display. ("ON")

[Screen Ratio] Selects the screen display mode.*1 ("16:9")
"16:9": Displays wide pictures.
"4:3 LB": Displays wide pictures in the Letter Box format (having black stripes at the top and bottom of screen).
"4:3 PS": Displays wide pictures in the Pan & Scan format (showing pictures cut at the right and left ends).

[Parental Level] Displays the Parental Lock screen.*1 ("OFF")
(See <DVD Parental Level Setup>, page 85)

[Disc SETUP] Makes the settings related to the disc media. (See <Disc Setup>, page 86)

- *1 Disabled when a DVD is being played.

DVD Language Setup

Selects a language you use for the speech and menus.

1 Display the DVD Setup screen

Touch [ ] > [ ] > [DVD SETUP]. (page 66)

2 Select the language item to set

3 Enter a language code

See <DVD Language Codes> (page 99) and select the desired language.

1 Enters a language code.

[Cancel] Cancels the language setup and returns to the "DVD SETUP" screen.

[Enter] Sets the language and returns to the "DVD SETUP" screen. (It appears after you have entered a language code.)

[Original] Sets the DVD's original language (only when setting an audio language).

[Clear] Clears the language code.

4 Set the language you use

DVD Parental Level Setup

Sets a parental level.

1 Display the DVD Setup screen

Touch [ ] > [ ] > [DVD SETUP]. (page 66)

2 Display the Parental Level code number screen

3 Enter the code number

1 Enters a code number.

[Cancel] Cancels the current setup and returns to the "DVD SETUP" screen.

[Level] Indicates the present parental lock level.

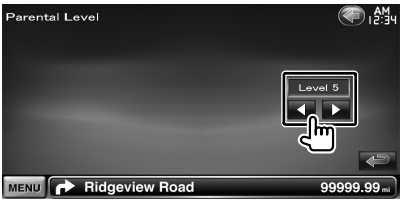
[Enter] Determines the code number and displays the Parental Level setup screen.

[Clear] Clears the code number.

- The number you enter first is set as your code number.

4 Display the Parental Level SETUP screen

5 Select a parental level and complete the setup



Selects a parental level.

- If a disc has higher parental lock level, you need to enter the code number.
- The parental lock level varies depending on a loaded disc.
- If a disc has no parental lock, anybody can play it back even when you have set the parental lock.

Disc Setup

Performs setup when using disc media.

1 Display the DVD Setup screen

Touch [ ] > [ ] > [DVD SETUP]. (page 66)

2 Display the Disc Setup screen

3 Set each item

[Picture Display Time] Selects a picture display time. *1 ("Long")
The Display of a JPEG picture is changed.
("Short", "Middle", "Long")

[CD Read] Sets a music CD playback. *2 ("1")
"1": Automatically recognizes and plays back an Audio file disc, a DVD or a music CD.
"2": Forcibly plays back a disc as a music CD. Select "2" if you wish to play a music CD having a special format or if you cannot play a disc in the "1" position.

[On Screen DVD] Sets an on-screen display of the DVD Playback screen. ("Manual")
"Auto": Information is displayed for 5 seconds when updated.
"Manual": Information is displayed when you touch on the screen.

- *1 Disabled when a DVD is being played.
- *2 You cannot play an Audio file/VCD disc in the "2" position. Also, you may not play some music CDs in the "2" position.

USB Setup

Performs setup when using USB.

1 Display the USB Setup screen

Touch [ ] > [ ] > [USB SETUP]. (page 66)

2 Set each item

[Picture Display Time] Selects a picture display time. ("Long")
The Display of a JPEG picture is changed.
("Short", "Middle", "Long")

[On Screen USB] Sets an on-screen display of the USB Playback screen. ("Auto")
"Auto": Information is displayed for 5 seconds when updated.
"Manual": Information is displayed when you touch on the screen.

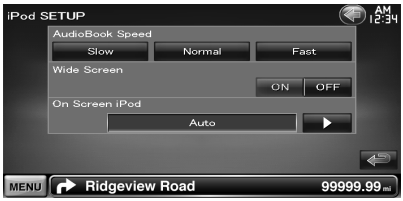
iPod Setup

Performs setup when using iPod.

1 Display the iPod Setup screen

Touch [ ] > [ ] > [iPod SETUP]. (page 66)

2 Set each item



[AudioBook Speed] Sets the Audio book playback speed. ("Normal")

[Wide Screen] Sets Wide Screen on or off. ("OFF")

[On Screen iPod] Sets an on-screen display of the iPod Playback screen. ("Auto")

"Auto": Information is displayed for 5 seconds when updated.

"Manual": Information is displayed when you touch on the screen.

- "Wide Screen" cannot be set while the iPod is connected.

SIRIUS Parental Code Setup

Sets a SIRIUS Parental code.

1 Display the SIRIUS Setup screen

Touch [ ] > [ ] > [SIRIUS SETUP]. (page 66)

2 Display the Parental Code screen

- If you have already completed the code registration, [Change] is displayed.
- If you want to clear the code which has already been registered, touch [Clear].
- Pressing [Clear] for 5 seconds or longer deletes the code.

3 Enter the current code number

1 Enters a code number.

[Cancel] Cancels the current setup and returns to the SIRIUS Setup screen.

[Enter] Registers the enetered code number and displays the Parental Code 1st screen.

[Clear] Clears the code number.

- If you are to register the parental code for the first time, this screen will not appear. Go to Step 4.

Next page ►

4 Enter the new code number

5 Confirm the code number

Enter the same code number as you input in step 4.

SIRIUS Parental code is now set, and the display returns to SIRIUS Setup screen.

SIRIUS Parental Lock Setup

Sets a SIRIUS Parental Lock function on or off.

1 Display the SIRIUS Setup screen

Touch [ ] > [ ] > [SIRIUS SETUP]. (page 66)

2 Display the Parental Code screen

- You need to complete <SIRIUS Parental Code Setup> beforehand.

3 Enter the code number

Enter the same code number as you input in <SIRIUS Parental Code Setup> (page 87).

Parental Lock function is now set to on or off, and the display returns to "SIRIUS SETUP" screen.

- If you have not registered the parental code, the code number you input in this step will be the number to register as SIRIUS Parental Code. In this case, you are requested to input the code once more.

SIRIUS Parental Lock Channel Select

Selects the channel to enable SIRIUS Parental lock function.

1 Display the SIRIUS Setup screen

Touch [ ] > [ ] > [SIRIUS SETUP]. (page 66)

2 Display the Parental Code screen

3 Enter the code number

Enter the same code number as you input in <SIRIUS Parental Code Setup>.

4 Select a category

1 Category List

When a category is selected, all the channels in the selected category are displayed.

[All Channel] Displays all the channels.

5 Set the parental lock for each channel

1 Channel list

2 Sets the Parental lock function on or off for each channel.

You need to input the Parental code to switch the Parental lock function on or off.

3 Displays the sort sequence

[Info Change] Switch the sort sequence of the channel list. ("Channel", "Song title", "Artist", "Composer" and "Category")

[UP] Moves to SIRIUS Category Select Setup screen.

TV Setup

The TV signal receiving areas can be set. (only when the optional accessory TV Tuner connected)

1 Displaying TV SETUP screen

Touch [ ] > [ ] > [TV SETUP]. (page 66)

2 Set each item

[On Screen TV] Sets an on-screen display of the TV screen.
("Auto") (only when the optional accessory TV tuner connected)
"Auto": Information is displayed for 5 seconds when updated.
"Manual": Information is displayed when you touch on the screen.

Remote Controller

This unit can be operated using the Remote Controller supplied with this unit.

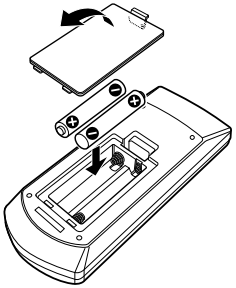
- Put the Remote Controller in a place where it will not move during braking or other operations. A dangerous situation could result, if the Remote Controller falls down and gets wedged under the pedals while driving.
- Do not place the battery near an open flame or heat source. This may cause the battery to explode.
- Do not recharge, short, break up or heat the battery or place it in an open fire. Such actions may cause the battery to leak fluid. If spilled fluid comes in contact with your eyes or on clothing, immediately rinse with water and consult a physician.
- Place the battery out of reach of children. In the unlikely event that a child swallows the battery, immediately consult a physician.

⚠CAUTION

- Do not leave the battery near fire or under direct sunlight. A fire, explosion or excessive heat generation may result.

Battery installation

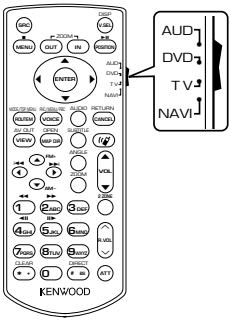
Use two "AAA"/"R03"-size batteries.
Insert the batteries with the + and – poles aligned properly, following the illustration inside the case.



- If the Remote Controller operates only over shorter distances or does not operate at all, it is possible that the batteries are depleted. In such instances, replace the both batteries with new ones.

Remote Controller mode switch

The functions operated from the remote controller differ depending on the position of the mode switch.



AUD mode
Switch to this mode when controlling a selected source or tuner source, etc.

DVD mode
Switch to this mode when playing DVDs or CDs etc. with the player integrated in this unit.

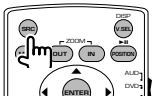
TV mode
Switch to this mode when controlling TV.

NAVI mode
Switch to this mode when controlling Navigation unit.

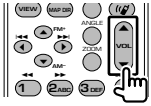
- The position of the remote control mode switch is indicated in the title of each mode, e.g., "(AUD mode)".
- When controlling a player that is not integrated in the unit, select "AUD" mode.

Common operations (AUD mode)

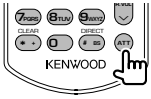
Source switching
Switches to the source to be played.



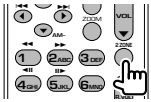
Volume control
Adjusts the volume.



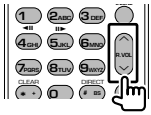
Volume attenuator
Press the key once to lower the volume. Press again to restore the previous volume.



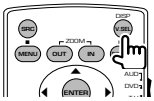
Dual Zone
Switches the Dual Zone function ON and OFF.



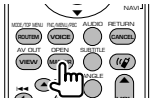
Rear volume control
Adjusts volume at rear when the Dual Zone function is ON.



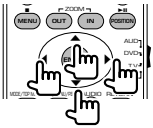
V.SEL
Switches to the navigation screen.



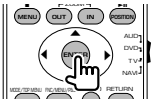
Display angle
Switches the display angle each time it is pressed.



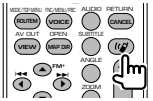
Cursor key
Moves the cursor when displaying menu.



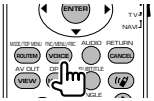
ENTER
Enters options.



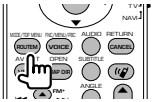
Hands-free communication
When a call comes in, it answers the call.



Function
Switches the function screen.



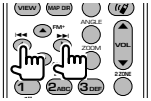
MODE
Switches the screen mode.
Screen mode changes each time you press this key.



DVD/VCD (DVD mode)

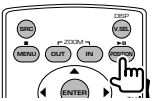
Track search and file search

Selects the track or file to be played.



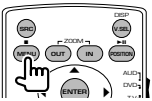
Play/Pause

Pauses the track.
Press again to resume playing.

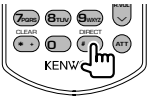


Stop

Memorizes the last point where the disc stopped.
When pressed again, the last point is deleted.



Direct search



Pressing this key switches the features that can be searched directly.

DVD-VIDEO

Title number
Chapter number
Play time
Item number*
Cancel

* You may not be able to use this function with some discs or scenes.

DVD-VR

Title number
Chapter number
Play time
Cancel

VCD 1.X, VCD 2.X (PBC OFF)

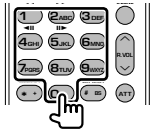
Track number
Cancel

VCD 2.X (PBC ON)

Scene number
Number
Cancel

Once you have switched to the direct search feature, specify the search number from the numeric keypad, and then press [ENTER] key.

Numeric keypad



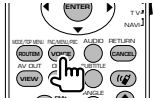
- Specify the number to search in direct search.
- Press 1 2ABC to fast forward/backward. Switches the fast forward/backward speed each time you press this key.
- Press 4GHI 5JKL to slow forward/backward. Switches the slow playback speed each time you press this key.

DVD Top Menu

Returns to the DVD top menu.

DVD Menu

Displays the DVD menu.
Turns the playback control on or off while playing VCD.



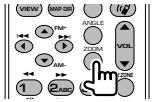
SUBTITLE

Switches the subtitle language.

Next page ►

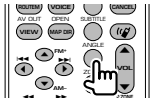
ZOOM

Switches the zoom ratio each time you press this key.



Picture Angle

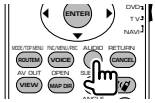
Switches the picture angle each time you press this key.



AUDIO

Switch Voice Language

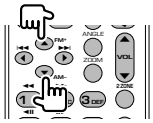
Switches the voice language each time you press this key.



Music Disc/Audio file/Video file/ Picture file (AUD mode)

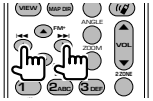
Folder search

Selects the folder to be played.



Track search and file search

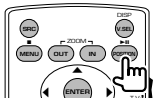
Selects the track or file to be played.



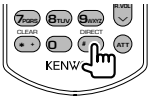
Play/Pause

Pauses the track.

Press again to resume playing.



Direct search



Pressing this key switches the features that can be searched directly.

Music Disc

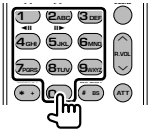
Track number
Play time
Cancel

Audio files in DVD/CD disc

Folder number
File number
Cancel

Once you have switched to the direct search feature, specify the search number from the numeric keypad, and then press ENTER [ENTER] key.

Numeric keypad

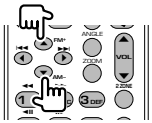


- Specify the number to search in direct search.

Radio (AUD mode)

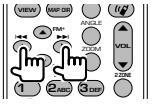
Band switching

Switches to bands received by the unit.



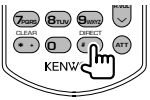
Station selection

Switches to broadcast stations received by the unit.



Direct tuning

After pressing this key, use the keypad to specify the broadcast station you wish to receive.



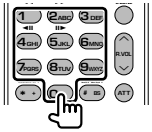
Example: 92.1MHz (FM)

0 9WXYZ 2ABC 1

Example: 810kHz (AM)

0 8TUV 1 0

Numeric keypad

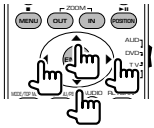


- To use preset tuning, press the number of a programmed broadcast station. (1 – 6MNO)
- Press the direct tuning key first, then specify the frequency of the station to receive.

NAVI (NAVI mode)

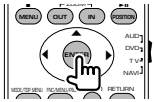
Joystick

Scrolls the map, or moves the cursor.



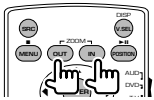
ENTER

Performs the selected function.



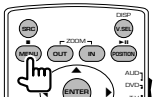
ZOOM

Zooms in or out the navigation map.



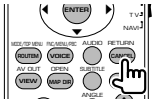
MENU

Displays Main menu.



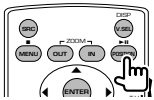
CANCEL

Displays previous screen.



POSITION

Displays the current position.



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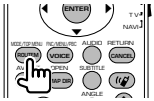
ROUTEM

Displays Route Option menu.

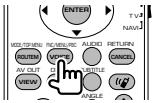


VIEW

Switches between 2D and 3D map displays.

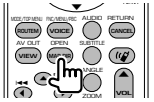
VOICE

Plays Voice guidance.



MAP DIR

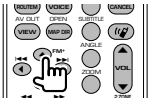
Switches between the heading up navigation and north up navigation map displays.



TV (TV mode)

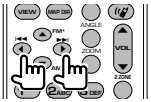
Switching Band/Video

It switches between the station of the TV band to receive and video input.

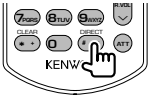


Channel Selection

The TV channel to receive is selected.



Direct tuning
(NTSC TV type only)

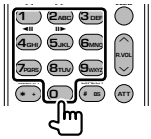


Press this key first, and then specify the station to receive with the numeric keypad.

Example: In case of Channel 6 (2-digit)

0 6MNO

Numeric keypad



- The number of the memorized station is selected. (1 – 6MNO)
- Press the direct tuning key first, then specify the channel of the station to receive.

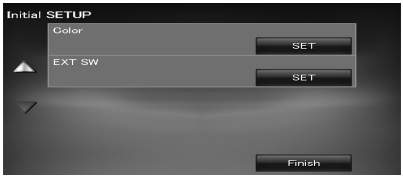
Initial Setup

When pressing the Reset button or turning on the unit for the first time, the Initial SETUP screen is displayed.

Initial Setup

1 Turns the power On

2 Set each item



[Language] Select the language used for the control screen and setting items. (page 68)

[Angle] You can adjust the position of the monitor. (page 71)

[iPod AV Interface Use] Sets the terminal to which the iPod is connected to. (✎ "iPod")

[R-CAM Interrupt] Sets a method to switch to the rear view camera video display. (✎ "OFF")

"ON": Switches to the rear camera video display when "Reverse" gear is engaged.

"OFF": Switches to the rear camera video display when "Reverse" gear is engaged, and then pressing the [AUD] button for more than 1 second.
The function of the [AUD] button needs to be set to "R-CAM" beforehand. See <User Interface> (page 68).

[Color] Sets the screen and button illumination color. (page 74)

[EXT SW] Setting up power specification of the external device for which the power is controlled from this unit. (page 71)

3 End initial setup

- The settings above can be changed in <Setup Menu> (page 66).

Status bar Indicator items

Shown below is a list of indicators displayed on the Status bar.

Source	Display	Overview
General	"ATT"	Indicates that the attenuator is active.
	"DUAL"	Turns on the Dual zone function.
	"TEL"	Indicates the connection state of the Bluetooth hands-free unit. (Orange: Connected. White: Not connected.)
DVD/CD MEDIA	"FO-REP"	Indicates that the Folder repeat function is ON.
	"IN"	Indicates that a disc is inserted. (White: A Disc is inside the unit. Orange: Error at the disc player.)
	"MOVIE"	Identifies the video file.
	"MUSIC"	Identifies the music file.
	"PICTURE"	Identifies the image file.
	"RDM"	Indicates that the Random function is ON.
	"REP"	Indicates that the Repeat function is ON.
	"SLIDE"	Indicates that the slide show function is ON.
DVD-Video	"C-REP"	Indicates that the Chapter repeat function is ON.
	"T-REP"	Indicates that the Title repeat function is ON.
DVD-VR	"1 M/S"	Identifies the primary/secondary audio output of stream 1.
	"1 MAIN"	Identifies the primary audio output of stream 1.
	"1 SUB"	Identifies the secondary audio output of stream 1.
	"PLST"	Identifies the Play list mode.
	"T-REP"	Indicates that the Title repeat function is ON.
VCD	"1chLL"	Identifies the left audio output of channel 1.
	"1chLR"	Identifies the monaural audio output of channel 1.
	"1chRR"	Identifies the right audio output of channel 1.
	"1chST"	Identifies the stereo audio output of channel 1.
	"LL"	Identifies the left audio output.
	"LR"	Identifies the monaural audio output.
	"RR"	Identifies the right audio output.
	"ST"	Identifies the stereo audio output.
	"PBC"	Indicates that the PBC function is ON.
	"SVCD"	Identifies the Super Video CD.
	"VER1"	Indicates that the Video CD version is 1.
	"VER2"	Indicates that the Video CD version is 2.
	"REP"	Indicates that the Repeat function is ON.

Source	Display	Overview
USB	"FO-REP"	Indicates that the Folder repeat function is ON.
	"MOVIE"	Identifies the video file.
	"MUSIC"	Identifies the music file.
	"PICTURE"	Identifies the image file.
	"RDM"	Indicates that the Random function is ON.
	"REP"	Identifies that the Repeat function is ON.
	"PLST"	Indicates that the Play list mode is selected now.
	"SLIDE"	Indicates that the slide show function is ON.
iPod	"MUSIC"	Identifies the music file.
	"VIDEO"	Identifies the video file.
	"RDM"	Indicates that the Random function is ON.
	"A-RDM"	Indicates that the Album random function is ON.
	"REP"	Indicates that the Repeat function is ON.
Tuner	"AUTO1"	Indicates that Seek mode is set to Auto1.
	"AUTO2"	Indicates that Seek mode is set to Auto2.
	"CRSC"	Indicates that the CRSC function is OFF.
	"MANU"	Indicates that Seek mode is set to Manual.
	"PS"	Indicates that the list display format is PS.
	"RDS"	Indicates the state of the RDS station when the AF function is ON. (Orange: RDS is being received. White: RDS is not being received.)
	"SNPS"	Indicates that the list display format is SNPS.
	"ST"	Indicates that stereo broadcast is being received.
	"TI"	Indicates the reception state of traffic information. (Orange: TP is being received. White: TP is not being received.)
HD Radio	"AUTO1"	Indicates that Seek mode is set to Auto1.
	"AUTO2"	Indicates that Seek mode is set to Auto2.
	"MANU"	Indicates that Seek mode is set to Manual.
	"M/S"	Indicates whether the reception channel is main or sub. (Orange: Sub channel is being received. White: Main channel is being received.)
	"ANALOG"	Indicates that analog broadcast is being received.
	"DIGITAL"	Indicates that digital broadcast is being received.
	"ST"	Indicates that stereo broadcast is being received.
SIRIUS/ XM	"SCN"	Indicates that the channel scan function is ON.
	"SEEK1"	Indicates that Seek mode is set to 1.
	"SEEK2"	Indicates that Seek mode is set to 2.
TV	"AUTO1"	Indicates that Seek mode is set to Auto1.
	"AUTO2"	Indicates that Seek mode is set to Auto2.
	"MANU"	Indicates that Seek mode is set to Manual.

DVD Language Codes

Code	Language
aa	Afar
ab	Abkhazian
af	Afrikaans
am	Amharic
ar	Arabic
as	Assamese
ay	Aymara
az	Azerbaijani
ba	Bashkir
be	Byelorussian
bg	Bulgarian
bh	Bihari
bi	Bislama
bn	Bengali, Bangla
bo	Tibetan
br	Breton
ca	Catalan
co	Corsican
cs	Czech
cy	Welsh
da	Danish
de	German
dz	Bhutani
el	Greek
en	English
eo	Esperanto
es	Spanish
et	Estonian
eu	Basque
fa	Persian
fi	Finnish
fj	Fiji
fo	Faroese
fr	French
fy	Frisian
ga	Irish
gd	Scots Gaelic
gli	Galician
gn	Guarani
gu	Gujarati
ha	Hausa
he	Hebrew
hi	Hindi
hr	Croatian
hu	Hungarian
hy	Armenian
ia	Interlingua
ie	Interlingue
ik	Inupiak
id	Indonesian

Code	Language
is	Icelandic
it	Italian
ja	Japanese
jv	Javanese
ka	Georgian
kk	Kazakh
kl	Greenlandic
km	Cambodian
kn	Kannada
ko	Korean
ks	Kashmiri
ku	Kurdish
ky	Kirghiz
la	Latin
lb	Luxembourgish
ln	Lingala
lo	Laotian
lt	Lithuanian
lv	Latvian, Lettish
mg	Malagasy
mi	Maori
mk	Macedonian
ml	Malayalam
mn	Mongolian
mo	Moldavian
mr	Marathi
ms	Malay
mt	Maltese
my	Burmese
na	Nauru
ne	Nepali
nl	Dutch
no	Norwegian
oc	Occitan
om	(Afan) Oromo
or	Oriya
pa	Punjabi
pl	Polish
ps	Pashto, Pushto
pt	Portuguese
qu	Quechua
rm	Rhaeto-Romance
rn	Kirundi
ro	Romanian
ru	Russian
rw	Kinyarwanda
sa	Sanskrit
sd	Sindhi
sg	Sangho
sh	Serbo-Croatian

Code	Language
si	Singhalese
sk	Slovak
sl	Slovenian
sm	Samoan
sn	Shona
so	Somali
sq	Albanian
sr	Serbian
ss	Siswati
st	Sesotho
su	Sundanese
sv	Swedish
sw	Swahili
ta	Tamil
te	Telugu
tg	Tajik
th	Thai
ti	Tigrinya
tk	Turkmen
tl	Tagalog
tn	Setswana
to	Tongan
tr	Turkish
ts	Tsonga
tt	Tatar
tw	Twi
uk	Ukrainian
ur	Urdu
uz	Uzbek
vi	Vietnamese
vo	Volapuk
wo	Wolof
xh	Xhosa
yo	Yoruba
zh	Chinese
zu	Zulu

Some functions of this unit may be disabled by some settings made on this unit.

! • Cannot set up the subwoofer.
• Cannot set up subwoofer phase.
• No output from the subwoofer.
• Cannot set up the low pass filter.
• Cannot set up the high pass filter.
▶ Subwoofer is not set to On.
☞ <Speaker Setup> (page 80)
▶ The DSP Select is Bypass.
☞ <DSP Bypass Control> (page 80)
▶ The Dual zone function is enabled.
☞ <Zone Control> (page 63)
▶ The unit is set to STANDBY source.

! • Cannot select the output destination of the subsource in the Dual zone.
• Cannot adjust the volume of the rear speakers.
▶ The Dual zone function is disabled.
☞ <Zone Control> (page 63)

! Cannot play audio files.
▶ "CD Read" of <Disc Setup> (page 86) is set to "2".

! Cannot Folder select.
▶ The Random play function is enabled.

! Cannot perform Repeat play.
▶ The PBC function is enabled.

! • Cannot set up the equalizer.
• Cannot set up the crossover network.
▶ The Dual zone function is enabled.
☞ <Zone Control> (page 63)
▶ The DSP Select is Bypass.
☞ <DSP Bypass Control> (page 80)
▶ The equalizer is set to "iPod".
☞ <Equalizer Control> (page 62)
▶ The unit is set to STANDBY source.

What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.

General

? The Touch Sensor Tone doesn't sound.
✔ The preout jack is being used.
☞ The Touch Sensor Tone can't be output from the preout jack.

Tuner source

? Radio reception is poor.
✔ The car antenna is not extended.
☞ Pull the antenna out all the way.

✔ The antenna control wire is not connected.
☞ Connect the wire correctly, referring to the section on <INSTALLATION MANUAL>.

Disc source

? The specified disc does not play, but another one plays instead.
✔ The specified CD is quite dirty.
☞ Clean the CD.

✔ The disc is severely scratched.
☞ Try another disc instead.

Audio file source

? The sound skips when an Audio file is being played.
✔ The media is scratched or dirty.
☞ Clean the media, referring to the CD cleaning of the section on <Handling discs> (page 6).

✔ The recording condition is bad.
☞ Record the media again or use another media.

Help? Error

When the unit fails to operate correctly, the cause of the failure appears on the display.

"Protect" :

Protective circuit has been activated because a speaker cord has shorted or it has come in contact with the car chassis.

➡ Wire or insulate the speaker cord as appropriate and then push the Reset button.

"Hot Error" :

When the internal temperature of this unit rises to 60°C or more, the protection circuit is activated and you may not be able to operate the unit. At such times this message will appear.

➡ Use the unit again after reducing the temperature inside the vehicle.

"Mecha Error" :

The disc player is malfunctioning.

➡ Eject the disc and try inserting it again. Contact the Kenwood dealer if this indicator continues blinking or the disc cannot be ejected.

"Disc Error" :

Disc is quite dirty.

➡ Clean the disc, referring tot he section on <Handling discs> (page 6).

Disc is upside down.

➡ Load the disc with the labeled side up.

An unplayable disc is inserted.

"Region Code Error" :

The disc you wanted to play has a region code that cannot be played with this unit.

"Parental Level Error" :

The disc you wanted to play has a higher level than the parental level you set.

"No Device" (USB device):

The USB device is selected as a source although no USB device is connected.

➡ Change the source to any source other than USB. Connect an USB device, and change the source to USB again.

"Disconnected" (iPod, Bluetooth audio player):

The iPod/Bluetooth audio player is selected as a source although no iPod/Bluetooth audio player is connected.

➡ Change the source to any source other than iPod/Bluetooth. Connect an iPod/Bluetooth audio player, and change the source to iPod/Bluetooth again.

"No Media File" :

The connected USB device contains no playable audio file.

Media was played that doesn't have data recorded that the unit can play.

"USB Device Error!!" :

The connected USB device is rated a current capacity higher than the allowable limit.

➡ Check the USB device.

Some trouble may have occurred to the connected USB device.

➡ Change the source to any source other than USB. Remove the USB device.

"Not supported USB1.1 device." :

The connected USB device is comliant with USB 1.1 standard. This unit only supports the USB device comliant with USB 2.0 standard.

➡ Use a USB device which this unit suppots.

"Authorization Error" :

Connection to the iPod has failed.

➡ Remove the iPod and then reconnect it.

The unit does not support the iPod.

➡ Refer to <iPod/iPhone that can be connected to this unit> (page 8).

"Update your iPod" :

The iPod's software is an older version which the unit can not support.

➡ Confirm that the software for the iPod is the latest version. Refer to <iPod/iPhone that can be connected to this unit> (page 8).

"You only can connect one iPod." :

More than one iPod are connected to this unit.

➡ Connect only one iPod to the USB terminal with iPod tag.

"Check SIRIUS" :

The unit cannot recognize the connected SIRIUS Tuner Box.

➡ Check the connection of the SIRIUS Tuner Box.

"Antenna Error" :

Something is wrong with the anntena.

➡ Check the connection of the antenna.

"Acquiring Signal" :

The unit cannot receive any signal.

➡ Move the vehicle to the area where the unit can receive signal.

"Updating Firmware" :

Updating the firmware of SIRIUS tuner.

➡ Operation is invalid until the update is completed.

"Updating Channels **%" :

Updating the SIRIUS Channel Map.

➡ Operation is invalid until the update is completed.

"Subscription Updated" :

Updating the suscription information.

➡ Operation is invalid until the update is completed.

"Invalid Channel" :

The selected channel is invalid.

➡ Select a different channel.

"Call 888-539-SIRIUS to Subscribe" :

The selected channel is not subscribed.

➡ Call the displayed number for subscription.

"Check XM Tuner" :

The unit cannot recognize the connected XM Tuner.

➡ Check the connection of the XM Tuner.

"No Signal" :

The unit cannot receive any signal.

➡ Check the connection of the antenna.

"Check Antenna" :

Something is wrong with the antenna.

➡ Check the connection of the antenna.

"CH Unavailable" :

The selected channel is invalid.

➡ Select a different channel.

"CH Unauthorized" :

The selected channel is not subscribed.

"Off Air" :

The broadcast of the selected channel has finished.

"Navigation Error. Please turn on power again later." (DNX9140 only) :

The communication error has occurred due to severely cold temperature.

➡ Turn on power again after warming your car interior.

Specifications

Monitor section

Picture Size
: 6.98 inches (diagonal) wide
: 157.2 mm (W) x 82.3 mm (H)

Display System
: Transparent TN LCD panel

Drive System
: TFT active matrix system

Number of Pixels
: 1,152,000 (800H x 480V x RGB)

Effective Pixels
: 99.99 %

Pixel Arrangement
: RGB striped arrangement

Back Lighting
: Cold Cathode Fluorescent Tube

DVD player section

D/A Converter
: 24 bit

Audio Decoder
: Linear PCM/ Dolby ProLogic II/ Dolby Digital/ dts/ MP3/ WMA/ AAC/ WAV

Video Decoder
: MPEG1/ MPEG2/ DivX

Wow & Flutter
: Below Measurable Limit

Frequency Response
Sampling frequency; 96 kHz : 20 – 22,000 Hz
Sampling frequency; 48 kHz : 20 – 22,000 Hz
Sampling frequency; 44.1 kHz : 20 – 20,000 Hz

Total Harmonic Distortion
: 0.008 % (1 kHz)

S/N Ratio (dB)
: 98 dB (DVD-Video 96 kHz)

Dynamic Range
: 98 dB (DVD-Video 96 kHz)

Disc Format
: DVD-Video/ VIDEO-CD/ CD-DA

Sampling Frequency
: 44.1/ 48/ 96 kHz

Quantifying Bit Number
: 16/ 20/ 24 bit

USB interface section

USB Standard
: USB 2.0 High speed

File System
: FAT 16/ 32

Maximum Power Supply Current
: 500 mA

D/A Converter
: 24 Bit

Video Decoder
: MPEG1/ MPEG2/ DivX

Audio Decoder
: MP3/ WMA/ AAC/ WAV

Bluetooth section

Technology
: Bluetooth Ver.1.2 Certified

Frequency
: 2.402 – 2.480 GHz

Output Power
: +4dBm (MAX), 0dBm (AVE), Power Class2

Maximum Communication range
: Line of sight approx. 10m (32.8 ft)

Profile
HFP (Hands Free Profile)
SPP (Serial Port Profile)
HSP (Headset Profile)
A2DP (Advanced Audio Distribution Profile)
AVRCP (Audio/Video Remote Control Profile)
OPP (Object Push Profile)
PBAP (Phonebook Access Profile)
SYNC (Synchronization Profile)

FM tuner section

Frequency Range
200 kHz : 87.9 MHz – 107.9 MHz
(DNX9140/DDX814)
50 kHz : 87.5 MHz – 108.0 MHz (DDX8034BT)
Usable Sensitivity (S/N : 30 dB)
: 9.3 dBf (0.8 µV/ 75 Ω)
Quieting Sensitivity (S/N : 50 dB)
: 15.2 dBf (1.6 µV/ 75 Ω)
Frequency Response (± 3.0 dB)
: 30 Hz – 15 kHz
S/N Ratio (dB)
: 70 dB (MONO)
Selectivity (± 400 kHz)
: ≥ 80 dB
Stereo Separation
: 35 dB (1 kHz)

AM tuner section

Frequency Range (10 kHz)
: 530 kHz – 1700 kHz
Usable Sensitivity
: 28 dBµ

Video section

Color System of External Video Input
: NTSC
External Video Input Level (RCA jacks)
: 1 Vp-p/ 75 Ω
External Audio Max Input Level (RCA jacks)
: 2 V/ 25 kΩ
Video Output Level (RCA jacks)
: 1 Vp-p/ 75 Ω
Audio Output Level (RCA jacks)
: 1.2 V/ 10 kΩ
Analog RGB input (DDX814/DDX8034BT only)
: 0.7 Vp-p/ 75 Ω

Audio section

Maximum Power (Front & Rear)
: 50 W x 4
Full Bandwidth Power (Front & Rear)
(4 Ω, 14.4 V, 1 % THD)
: 22 W x 4
Preout Level (V)
: 5 V/ 10 kΩ
Preout Impedance
: 80 Ω
Speaker Impedance
: 4 – 8 Ω

DSP Section

Graphics equalizer
Band: 13 Band
Frequency (BAND1 – 13): 62.5/ 100/ 160/ 250/ 400/ 630/ 1k/ 1.6k/ 2.5k/ 4k/ 6.3k/ 10k/ 16k Hz
Channel: Front/ Rear/ Center
Gain
: -9/ -8/ -7/ -6/ -5/ -4/ -3/ -2/ -1/ 0/ 1/ 2/ 3/ 4/ 5/ 6/ 7/ 8/ 9 dB
X'over
High pass filter
Frequency: Through, 30/ 40/ 50/ 60/ 70/ 80/ 90/ 100/ 120/ 150/ 180/ 220/ 250 Hz
Slope: -6/ -12/ -18/ -24 dB
Low pass filter
Frequency: 30/ 40/ 50/ 60/ 70/ 80/ 90/ 100/ 120/ 150/ 180/ 220/ 250 Hz, Through
Slope: -6/ -12/ -18/ -24 dB
Time alignment
Front/ Rear/ Subwoofer: 0 – 20.01 ft (0.07 ft Step)
Center: 0 – 11.15 ft (0.07 ft Step)
Channel Level
: ± 10 dB

Navigation section (DNX9140 only)

Receiver
: High-sensitivity GPS receiver

Reception Frequency
: 1575.42 MHz (C/A code)

Acquisition Times
Cold : < 38 seconds
Factory Reset : < 45 seconds
(On average for a stationary receiver with a clear view of the sky)

Accuracy
Position : < 10 meters typical
Velocity : 0.05 m/sec. RMS

Position Method
: GPS

Antenna
: External GPS antenna

External SW

Maximum Power Supply Current
: 500 mA

General

Operating voltage
: 14.4 V (10.5 – 16 V allowable)

Maximum Current Consumption
: 15 A

Installation Dimensions (W × H × D)
: 181.7 × 111.2 × 163 mm
7-3/16 x 4-7/16 x 6-7/16 inch

Operational Temperature Range
: -10 °C – +60 °C

Storage Temperature Range
: -20 °C – +85 °C

Weight
DNX9140 : 2.6 kg (5.7 lbs)
DDX814/DDX8034BT : 2.55 kg (5.6 lbs)

Specifications subject to change without notice.

Although the effective pixels for the liquid crystal panel is given as 99.99% or more, 0.01% of pixels may not light or may light incorrectly.

About DivX

DivX is a popular media technology created by DivX, Inc. DivX media Files contain highly compressed video with high visual quality that maintains a relatively small file size. DivX files can also include advanced media features like menus, subtitles, and alternate audio tracks. Many DivX media files are available for download online, and you can create your own using your personal content and easy-to-use tools from DivX.com.

About DivX Certified

DivX Certified products are officially tested by the creators of DivX and guaranteed to play all versions of DivX video, including DivX 6. Certified products qualify for one of several DivX Profiles that designate the type of video the product supports, from compact portable video to high-definition video.

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DDX8034BT:

The marking of products using lasers (Except for some areas)

The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

DNX9140/ DDX814:

⚠CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

Kenwood Corporation
2967-3, ISHIKAWA-MACHI,
HACHIOJI-SHI
TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT CONFORMS TO DHHS REGULATIONS N0.21 CFR 1040. 10, CHAPTER 1, SUBCHAPTER J.

Location : Bottom Panel

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IC (Industry Canada) Notice

Operation is subject to the following two conditions:

(1) This device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

The term "IC: " before the certification/registration number only signifies that the Industry Canada technical specification were met.

KENWOOD